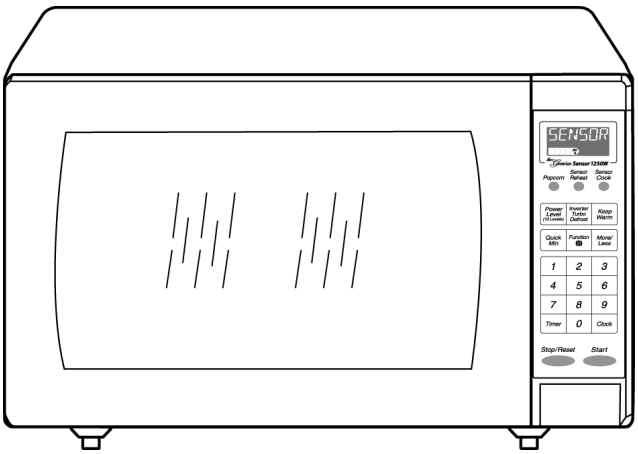
ORDER NO.PHAMOS0501005A7
E1

Service Manual

Microwave Oven

NN-P994SFR
NN-P994BFR

NN-P994WFR NN-T995
NN-T985SF NN-T975SF
NN-T965SF NN-T955SF
NN-T945SF NN-T935SF
NN-T994SFR NN-T964SFR
NN-H965 NN-S955
NN-H935 NN-S935
NN-S954BFR NN-S954WFR
NN-S934BFR NN-S934WFR



APH(USA)

CPH(CANADA)

RPH(Mexico/Latin American)

Specifications:

	Specifications for APH:							
Model: / Specifications:	P994SFR P994BFR P994WFR	T995SF T985SF	T975SF T965SF T945SF T964SFR	T935SF	T955SF T994SFR	H965BF/WF H935BF/WF S935BF/WF	S955BF/WF S954BFR S954WFR	S934BFR S934WFR
Power Source:	120V AC Single Phase, 60Hz							
Power Requirement:	1460W	1460W	1460W	1460W	1460W	1460W	1460W	1460W
Output:	1250W	1250W	1250W	1200W	1250W	1250W	1250W	1200W

	Specifications for CPH:		
Model: / Specifications:	P994SFR	T995SF	H965BF H965WF
Power Source:	120V AC Single Phase, 60Hz		
Power Requirement:	1460W	1460W	1460W
Output:	1200W	1200W	1200W

	Specifications for RPH:	
Model: / Specifications:	T995SF T995SM	S955WF S955WM
Power Source:	120V AC Single Phase, 60Hz	
Power Requirement:	1460W	1460W
Output:	1250W	1250W

Microwave Frequency:	2450MHz
Timer:	30 min. / Stage (HIGH Power) ~ 5 Stage Maximum 99 min. 99 sec. / Stage (Other Power Levels) ~ 5 Stage Maximum
Outside Dimensions:	$23\frac{7}{8}$"(606mm)(W) x $19\frac{9}{16}$"(493mm)(D) x 14"(356mm)(H)
Oven Cavity Dimensions:	$18\frac{7}{16}$"(469mm)(W) x $18\frac{1}{2}$"(470mm)(D) x $10\frac{15}{16}$"(278mm)(H)
Oven Cavity Dimensions:	2.2 cu.ft.
Weight:	36 lbs. / 16.4 kg
PbF	This product with PbF

Specifications subject to change without notice.

Panasonic®

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

WARNING

1. This product should be serviced only by trained, qualified personnel.
2. Though this product has been manufactured in compliance with:
   "Federal Performance Standard 21 CFR Subchapter J"(D.H.H.S): U.S.A. models
   or "Radiation Emitting Devices Act"(Health and Welfare Canada): Canadian models
   it is very important all repairs should be made in accordance with procedures described in this manual to avoid being exposed to excessive microwave radiation.
3. Check for radiation leakage before and after every servicing according to the "procedure for measuring radiation leakage."
4. If the unit cannot be repaired on site, advise the customer not to use until unit is repaired.
5. Any serviceman who learns of any accident pertaining to microwave radiation leakage including the oven operating with open door should immediately notify the appropriate address listed below and Center for Devices and Radiological Health, DHHS.

IN U.S.A. (PASC)	Panasonic Services Company 50 Meadowland Parkway, Secaucus, New Jersey 07094 Attention: Technical Service Division. (201)348-7000	IN PUERTO RICO (PSC)	PSC San Gabriel Industrial Park 65th Infantry Ave. Km.9.5 Carolina, Puerto Rico 00985 (787)750-4300
		IN CANADA (PCI)	Panasonic Canada Inc. 5770 Ambler Drive, Mississauga, Ontario, L4W2T3 (905)624-5010

6. There are special components used in the microwave oven which are important for safety. These parts are marked with a ⚠ on the replacement parts list. It is essential that these critical parts should be replaced only with the manufacture's specified parts to prevent microwave leakage, shock, fire, or other hazards. Do not modify the orginal design.

PRECAUTIONS TO BE OBSERVED BEFORE AND DURING SERVICING TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(A) Do not operate or allow the oven to be operated with the door open.
(B) Make the following safety checks on all ovens to be serviced before activating the magnetron or other microwave source, and make repairs as necessary:
  (1) Interlock operation
  (2) Proper door closing
  (3) Seal and sealing surfaces (arcing, wear, and other damage)
  (4) Damage to or loosening of hinges and latches.
  (5) Evidence of dropping or abuse
(C) Before turning on microwave power for any service test or inspection within the microwave generating compartments, check the magnetron, waveguide or transmission line, and cavity for proper alignment, integrity and connections.
(D) Any defective or misadjusted components in the interlock, monitor, door seal, and microwave generation and transmission systems shall be repaired, replaced, or adjusted by procedures described in this manual before the oven is released to the owner.
(E) A microwave leakage check to verify compliance with the Federal Performance Standard should be performed on each oven prior to release to the owner.

CAUTION

About lead free solder (PbF)

Distinction of PbF PCB: PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution:
- Pb free solder has a higher melting point than standard solder; Typically the melting point is 30 - 40˚C higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 370 ± 10˚C.
- Pb free solder will tend to splash when heated too high (about 600˚C).

DANGER OF HIGH VOLTAGE AND HIGH TEMPERATURE (HOT/LIVE) OF THE INVERTER POWER SUPPLY (U)

INVERTER WARNING

This Inverter board looks like a regular PCB. However, this PCB drives the magnetron tube with extremely high voltage and high current. NEW H.V.

IT HAS:

1. **Very high voltage and high current circuits.**
   It functions the same as the high voltage transformer and high voltage capacitor in ordinary microwave ovens.
2. **Aluminum heat sink that is energized with very high voltage and high heat energy.**
3. **Very high voltage which may remain in circuitry even when oven is off. High voltage charge may remain in the capacitors on the board.**

DO NOT:

* 1. **Do not touch circuitry because it has very hot (high voltage) circuitry. Even when replacing board, extreme care should be taken to avoid possible electric shock hazards. High voltage charge may remain in circuits.**

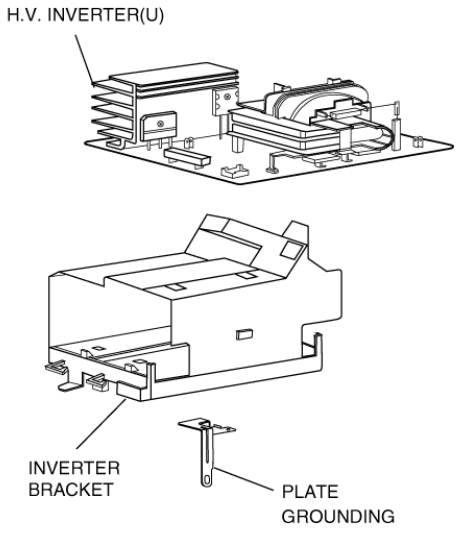
* 2. **Do not touch aluminum heat sink because it is energized with very high voltage and is also very hot in high heat energy.**

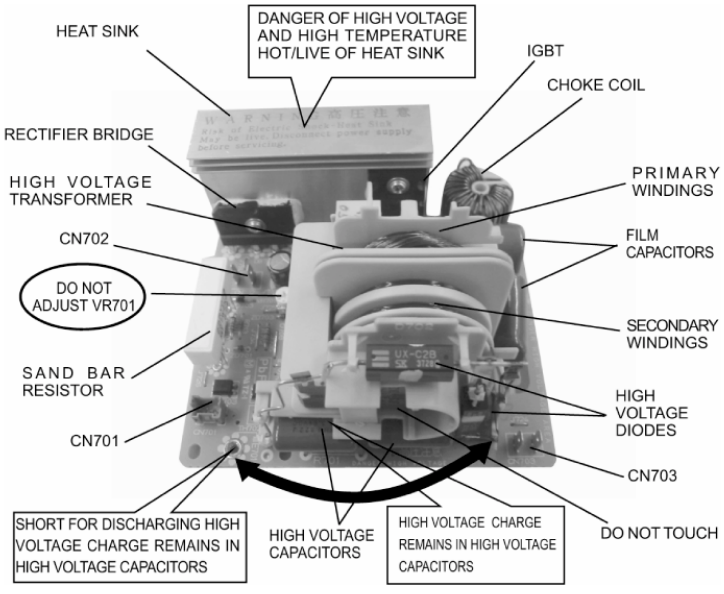
* 3. **Do not try to adjust or tamper with preset control on the Inverter board because it is very dangerous to adjust without proper test equipment.**

* 4. **Do not test oven while Inverter grounding plate or screws are loose. It is very dangerous to operate H.V. Inverter Circuit (U) with loose mounting screws or if improperly grounded.**

* 5. **For USA only:**
Do not try to repair Inverter PCB because it is very dangerous to repair. Replace as a complete High Voltage Inverter Circuit unit and return fully re-packed in original shipping box and shipping materials.

INVERTER POWER SUPPLY





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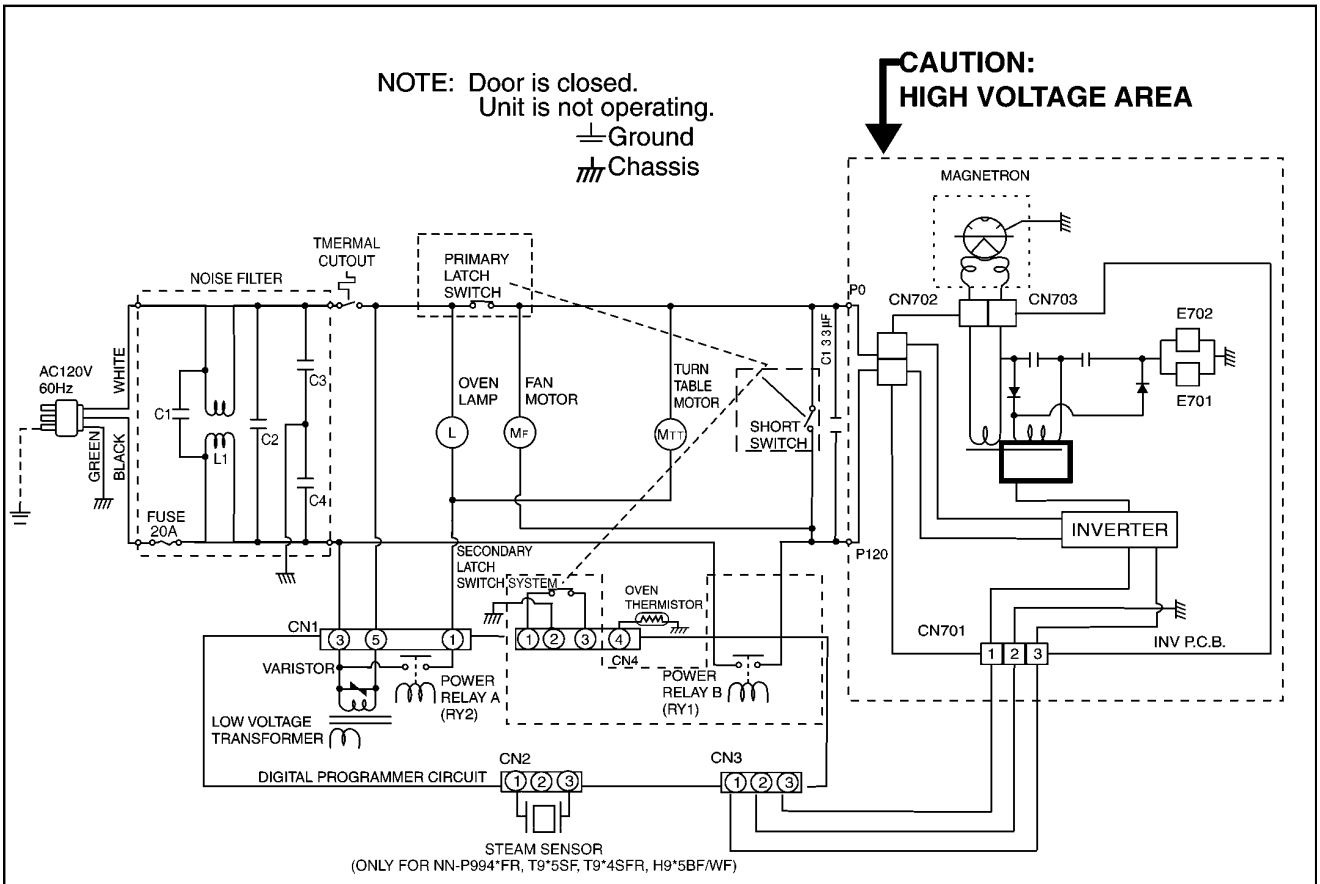
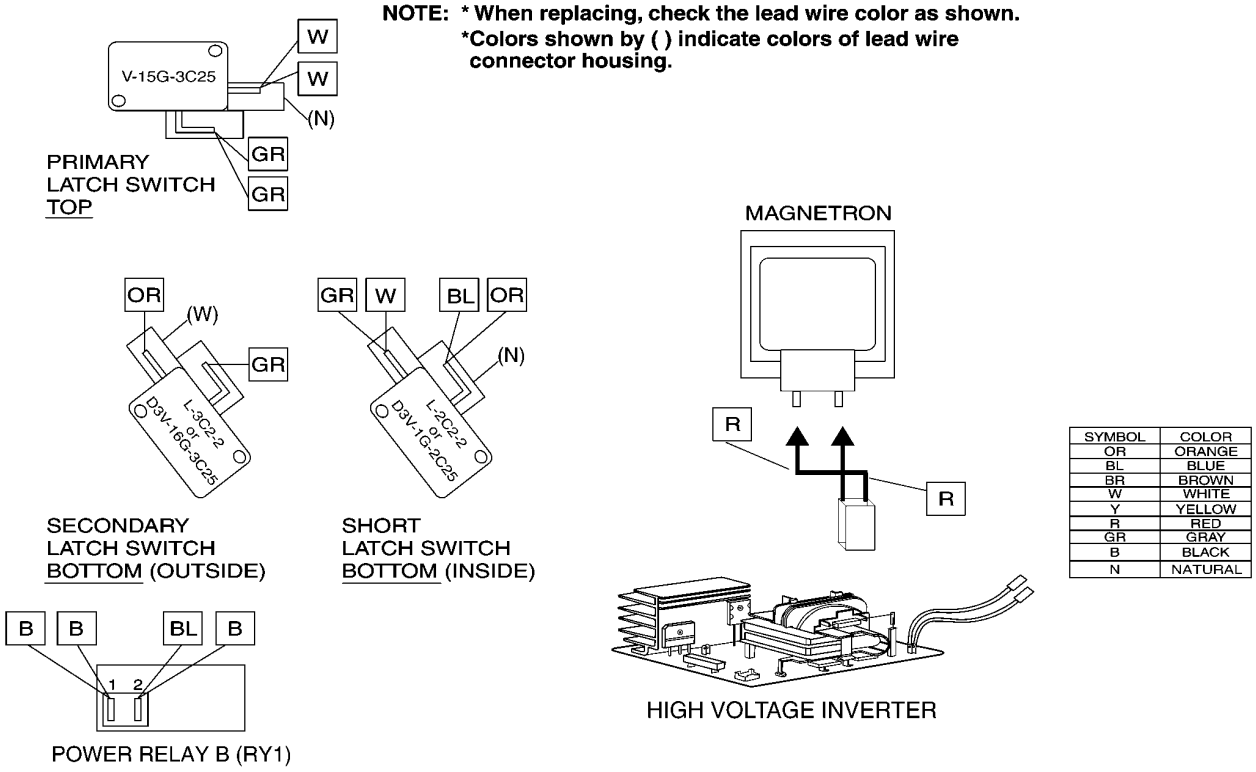
1 SCHEMATIC DIAGRAM

1.1. APH



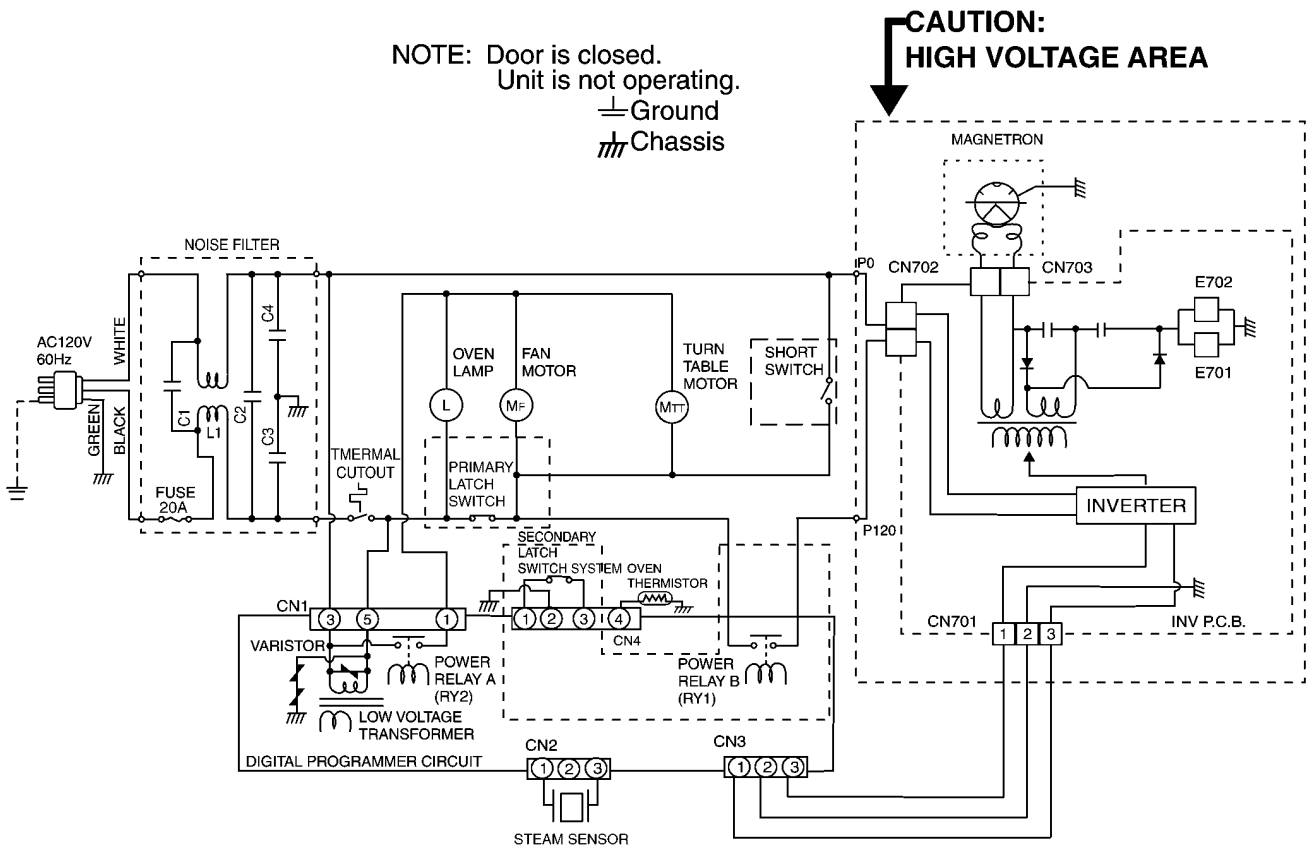
WIRING DIAGRAM (APH)

NOTE: * When replacing, check the lead wire color as shown.
***Colors shown by ( ) indicate colors of lead wire connector housing.**

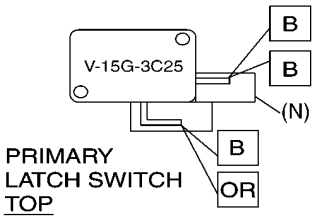


SYMBOL	COLOR
OR	ORANGE
BL	BLUE
BR	BROWN
W	WHITE
Y	YELLOW
R	RED
GR	GRAY
B	BLACK
N	NATURAL

1.2. CPH

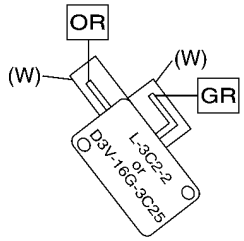


WIRING DIAGRAM (CPH)

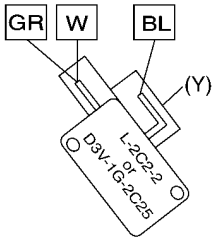


PRIMARY
LATCH SWITCH
TOP

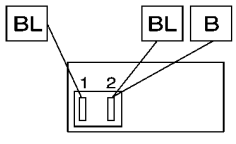
NOTE: * When replacing, check the lead wire color as shown.
***Colors shown by ( ) indicate colors of lead wire connector housing.**



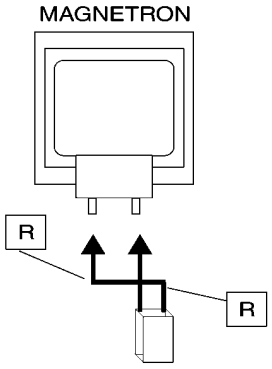
SECONDARY
LATCH SWITCH
BOTTOM (OUTSIDE)

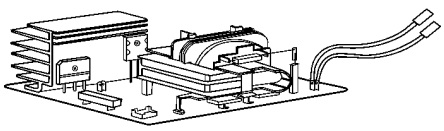


SHORT
LATCH SWITCH
BOTTOM (INSIDE)



POWER RELAY B (RY1)





HIGH VOLTAGE INVERTER

SYMBOL	COLOR
OR	ORANGE
BL	BLUE
BR	BROWN
W	WHITE
Y	YELLOW
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GR	GRAY
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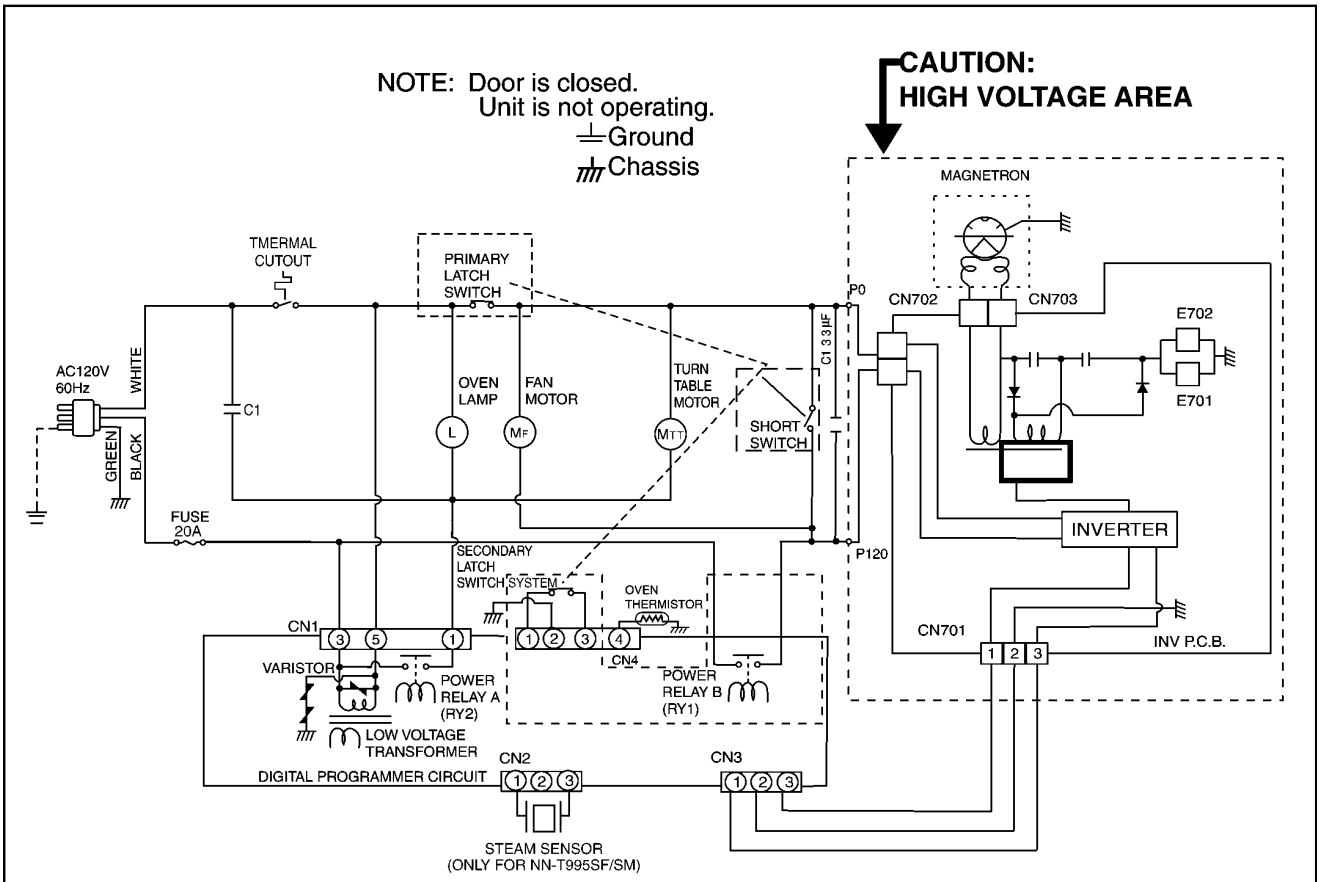
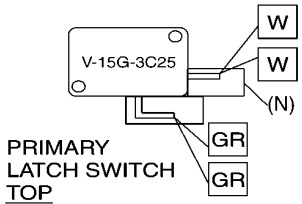
N	NATURAL

1.3. RPH

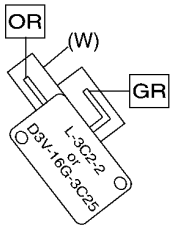


WIRING DIAGRAM (RPH)

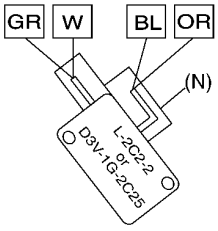
NOTE: * When replacing, check the lead wire color as shown.
***Colors shown by ( ) indicate colors of lead wire connector housing.**



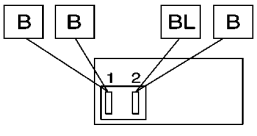
PRIMARY LATCH SWITCH TOP



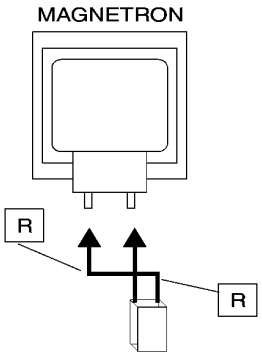
SECONDARY LATCH SWITCH BOTTOM (OUTSIDE)

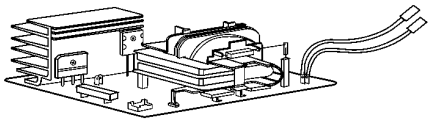


SHORT LATCH SWITCH BOTTOM (INSIDE)



POWER RELAY B (RY1)





HIGH VOLTAGE INVERTER

SYMBOL	COLOR
OR	ORANGE
BL	BLUE
BR	BROWN
W	WHITE
Y	YELLOW
R	RED
GR	GRAY
B	BLACK
N	NATURAL

2 MEASUREMENTS AND ADJUSTMENTS

WARNING

* For continued protection against radiation hazard, replace only with identical replacement parts (For touch models Part No. J61424T00AP, Type No. V-15G-3C25 for Primary latch switch; Part No. J61414T00AP, Type No. D3V-16G-3C25 for Secondary latch switch and Part No. J61784T00AP, Type No. D3V-1G-2C25 for short switch.)
* When the 20 Amp. fuse is blown due to the operation of the short switch, you must replace power relay B (Part No. AEGG5G1A18, Type No. G5G-1A12VDC), Primary latch switch and the short switch. Then follow the installation procedures below.
* Interlock switch replacement In replacing faulty switches, be sure mounting tabs are not bent, broken or otherwise deficient in their ability to hold the switches.
* Refer to schematic diagram to ensure proper connection.

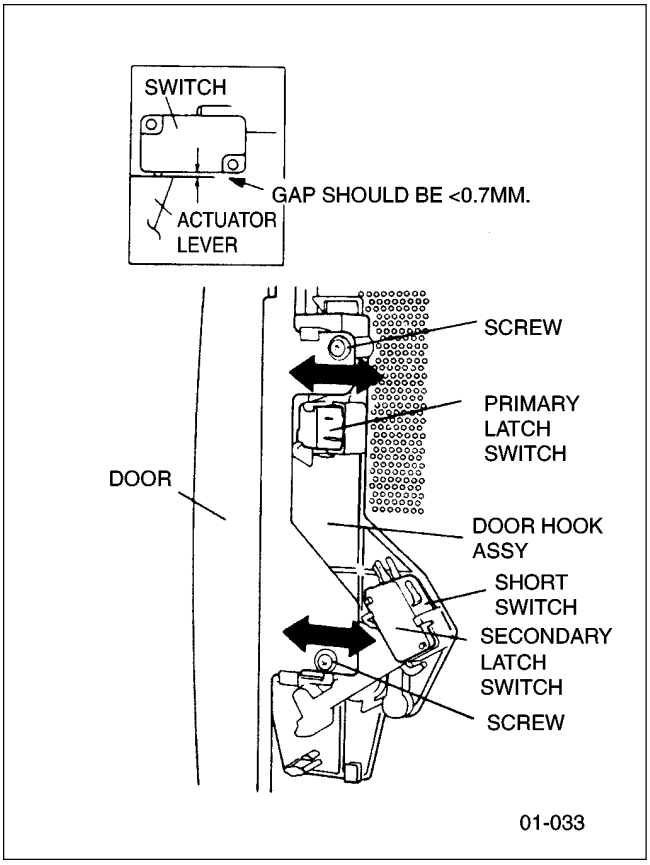
2.1. Adjustment of primary latch switch, secondary latch switch and short switch.

1. Mount the Primary latch switch, the Secondary latch switch and the short switch to the door hook assembly as shown in ILL.

   NOTE:

   No specific individual adjustments during installation of the Primary latch switch, Secondary latch switch or Short switch to the door hook are required.

2. When mounting the door hook assembly to the oven assembly, adjust the door hook assembly by moving it in the direction of the arrows in the illustration so that the oven door will not have any play in it. Check for play in the door by pulling the door assembly. Make sure that the latch keys move smoothly after adjustment is completed. Completely tighten the screws holding the door hook assembly to the oven assembly.
3. Reconnect the short switch and check the continuity of the monitor circuit and all latch switches again by following the component test procedures.



2.2. Measurement of microwave output

The output power of the magnetron can be determined by performing IEC standard test procedures. However,due to the complexity of IEC test procedures, it is recommended to test the magnetron using the simple method outlined below.

Necessary Equipment:

*1 liter beaker *Glass thermometer
*Wrist watch or stopwatch

NOTE:

Check the line voltage under load.Low voltage will lower the magnetron output. Take the temperature readings and heating time as accurately as possible.

1. Fill the beaker with exactly one liter of tap water.Stir the water using the thermometer and record the water's temperature. (recorded as T1).
2. Place the beaker on the center of glass tray.
   Set the oven for High power and heat it for exactly one minute.
3. Stir the water again and read the temperature of the water. (recorded as T2).
4. The normal temperature rise at High power level for each model is as shown in table.

TABLE (1L-1min.test)

RATED OUTPUT	TEMPERATURE RISE
1200W	Min. 18.5°F(10.3°C)
1300W	Min. 19.8°F(11.1°C)

3 PROCEDURE FOR MEASURING MICROWAVE ENERGY LEAKAGE

WARNING

Check for radiation leakage after every servicing. Should the leakage be more than 2 mW/cm² (1mW/cm² for Canada) inform PASC, PSC, or PCI immediately. After repairing or replacing any radiation safety device, keep a written record for future reference, as required by D.H.H.S. and Health and Welfare Canada regulation. This requirement must be strictly observed. In addition, the leakage reading must be recorded on the service repair ticket while in the customer's home.

NOTE:

The U.S. Government standard is 5 mW/cm^2 while in the customer's home. 2mW/cm^2 stated here is our own voluntary standard. (1mW/cm^2 for Canada)

3.1. Equipment

- Electromagnatic radiation monitor
- Glass thermometer 212°F or 100°C
- 600cc glass beaker

3.2. Procedure for measuring radiation leakage

Note before measuring.

- Do not exceed meter full scale deflection. Leakage monitor should initially be set to the highest scale.
- To prevent false readings the test probe should be held by the grip portion of the handle only and moved along the shaded area in Figure no faster than 1 inch/sec (2.5cm/sec).
- Leakage with the outer panel removed ..... less than 5mW/cm^2.
- Leakage for a fully assembled oven with door normally closed ..... less than 2mW/cm^2 (1mW/cm^2 for Canada).
- Leakage for a fully assembled oven [Before the latch switch (primary) is interrupted] while pulling the door ..... less than 2mW/cm^2.

1. Pour 275 ± 15cc (9ozs^S± 1/2oz) of 20°C ± 5°C (68° ± 9°F) water in a beaker which is graduated to 600cc, and place in the center of the oven.
2. Set the radiation monitor to 2450MHz and use it following the manufacturer´s recommended test procedure to assure correct results.
3. When measuring the leakage, always use the 2 inch (5cm) spacer supplied with the probe.
4. Tap the start pad or set the timer and with the magnetron oscillating, measure the leakage by holding the probe perpendicular to the surface being measured.

3.2.1. Measurement with the outer panel removed.

Whenever you replace the magnetron, measure for radiation leakage before the outer panel is installed and after all necessary components are replaced or adjusted. Special care should be taken in measuring around the magnetron.

WARNING

Avoid contacting any high voltage parts.

3.2.2. Measurements with a fully assembled oven.

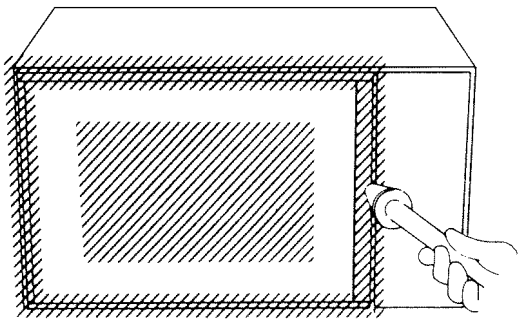
After all components, including outer panel are fully assembled, measure for radiation leakage around the door periphery, the door viewing window, the exhaust opening and air inlet openings.

3.3. Record keeping and notification after measurement

- After any adjustment or repair to a microwave oven, a leakage reading must be taken. Record this leakage reading on the repair ticket even if it is zero.

  A copy of this repair ticket and the microwave leakage reading should be kept by repair facility.
- Should the radiation leakage be more than 2 mW/cm^2 (1mW/cm for Canada) after determining that all parts are in good condition, functioning properly, and genuine replacement parts as listed in this manual have been used, immediately notify PASC, PSC or PCI.

3.4. At least once a year, have the radiation monitor checked for calibration by its manufacturer.



01-035

MOVE PROBE ALONG SHADED AREA(//////)AROUND EXHAUST OPENINGS AND AROUND AIR INLET OPENING

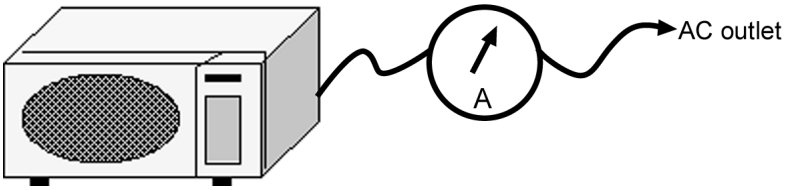
4 SIMPLE WAY OF H.V. INVERTER/MAGNETRON TROUBLESHOUTING

Purpose:

Simple way **(3/23 seconds rule)** of identifying whether it's Magnetron, Inverter, or others.

Set-up:

The unit under question is connected through the Ammeter as shown below.



Procedure:

Follow the matrix table below to identify the problem source.

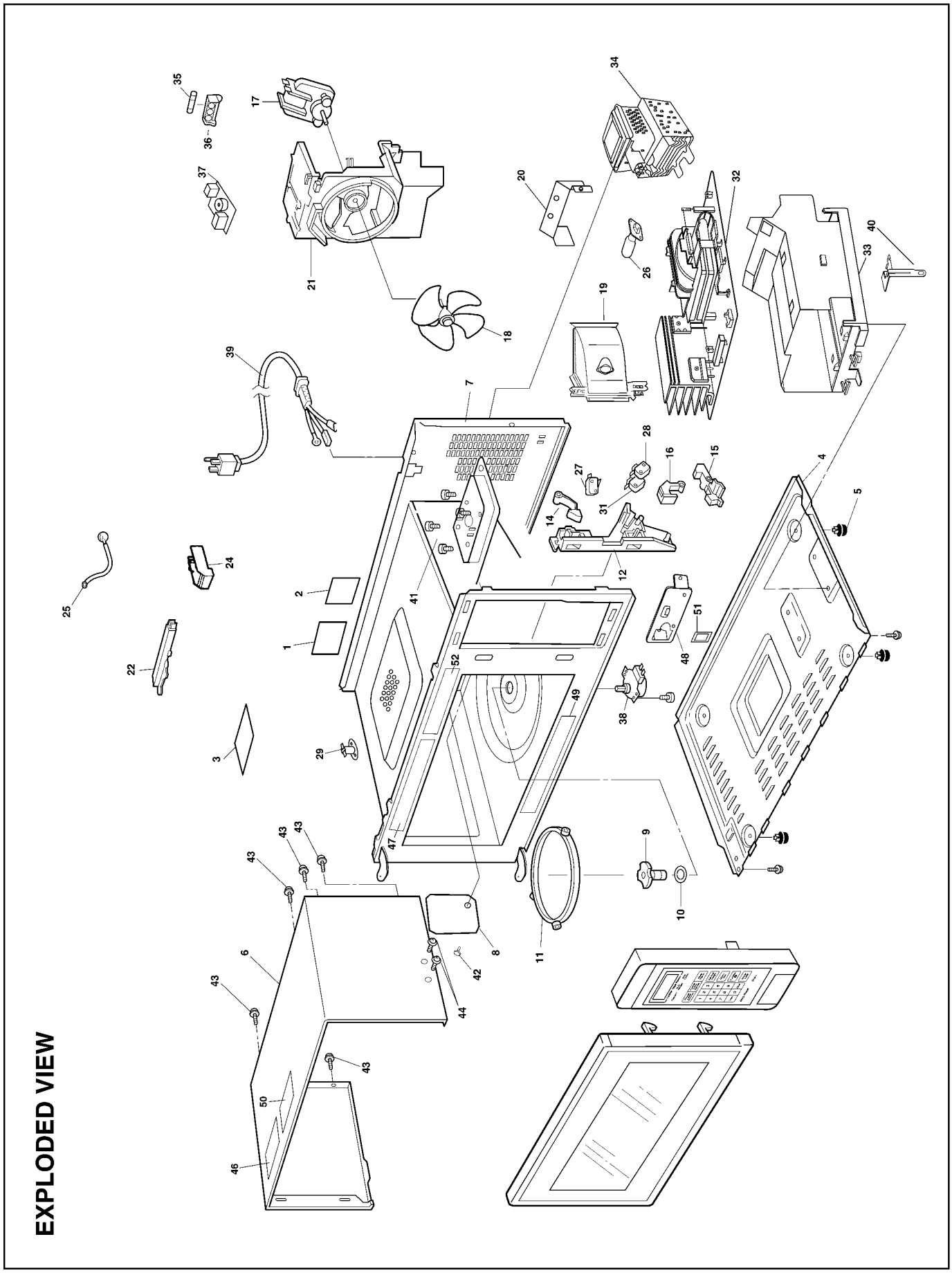
Note:

Do not replace both Inverter board and Magnetron simultaneously and automatically without going through this procedure.

Power will:	Ammeter reading is:	To do:	Remedy:
Shut off in 23 seconds after "Start".	1. Between 0.5A and 1.0A.	Check and repair open magnetron circuit	Open magnetron wiring between Inverter and magnetron terminal.
	2. Between 1.0A and 2.0A.	Check continuity of D702 in Inverter PCB.	
		⇩	
		1. D702 shorted	Replace **H.V.Inverter** (F606Y6G00AP/F606Y6G00CP)
		2. D702 is OK	Replace **magnetron**
Shut off in 3 seconds after "Start"	1. Less than 0.5A	Check open circuit: Latch Switch, DPC, Power Relay and CN701	Replace defective component(s), or correct switch, cables and connectors.

5 EXPLODED VIEW AND PARTS LIST

5.1. EXPLODED VIEW



5.2. PARTS LIST

NOTE:

1. When ordering replacement part(s), please use part number(s) shown in this part list.
   Do not use description of the part.
2. Important safety notice:
   Components identified by ⚠ mark have special characteristics important for safety.
   When replacing any of these components, use only manufacture's specified parts.

NOTE:

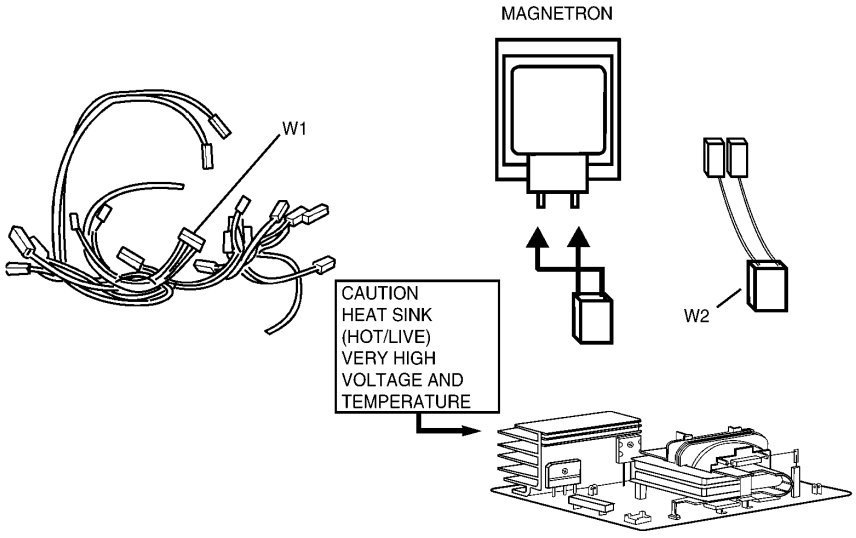
"A" parts are supplied by CSD (Japan)

"F" parts are supplied by PHAMOS (China)

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
1		F00064W70AP	CAUTION LABEL	1	P994*FR APH,T9*5SF APH,T9*4SFR APH
1		F00069660AP	CAUTION LABEL	1	H9*5 APH,S9*5 APH,S9*4BFR/WFR APH, T995SF/SM RPH,S955WF/WM RPH
1		F00067600CP	CAUTION LABEL	1	CPH
2		F00077B00BAP	NAME PLATE	1	H965BF APH
2		F00077B00HAP	NAME PLATE	1	H965WF APH
2		F00077E30BAP	NAME PLATE	1	H935BF APH
2		F00077E30HAP	NAME PLATE	1	H935WF APH
2		F00077B20BAP	NAME PLATE	1	S955BF APH
2		F00077B20HAP	NAME PLATE	1	S955WF APH
2		F00077B40BAP	NAME PLATE	1	S935BF APH
2		F00077B40HAP	NAME PLATE	1	S935WF APH
2		F00077B10BAP	NAME PLATE	1	S954BFR APH
2		F00077B10HAP	NAME PLATE	1	S954WFR APH
2		F00077E40BAP	NAME PLATE	1	S934BFR APH
2		F00077E40HAP	NAME PLATE	1	S934WFR APH
2		F00077B30HRP	NAME PLATE	1	S955WF RPH
3		F00337D00AP	FUSE LABEL	1	APH,CPH
3		F00337D00RP	FUSE LABEL	1	RPH
4		F10016G10AP	BASE	1	
5		F10084T00AP	RUBBER FOOT	4	
6		F110D6G10SAP	CABINET BODY	1	P994SFR
6		F110D6G20BAP	CABINET BODY	1	P994BFR
6		F110D6G20HAP	CABINET BODY	1	P994WFR
6		F110D5W10SAP	CABINET BODY	1	T995SF APH/CPH,T995SF/SM RPH, T975SF APH,T965SF APH,T9*4SFR APH
6		F110D4U50SAP	CABINET BODY	1	T985SF APH,T955SF APH,T945SF APH,T935SF APH
6		F110D5W20BAP	CABINET BODY	1	H9*5BF,S9*5BF,S9*4BFR
6		F110D5W20HAP	CABINET BODY	1	H9*5WF,S9*5WF,S9*4WFR
7	⚠	F200A5W20AP	OVEN	1	P994*FR,T9*5SF/SM,T9*4SFR APH,H9*5
7	⚠	F200A5W30AP	OVEN	1	S9*5,S9*4BFR/WFR
8		F20555K00AP	COVER	1	
9		F21315Y00AP	PULLY SHAFT	1	
10		F2177-F80	WASHER	1	
11		F290D9330AP	ROLLER RING (U)	1	
12	⚠	F3020-1200	DOOR HOOK	1	
14		F3136-1200	HOOK LEVER A	1	
15		F31374650AP	HOOK LEVER B	1	
16		F31384650AP	HOOK LEVER C	1	
17		F400A5Y00AP	FAN MOTOR	1	AC120V,SINGLE PHASE,60Hz
18		F40084T00AP	FAN BLADE	1	
19		F40254W00AP	AIR GUIDE A	1	
20		F40264T60AP	AIR GUIDE B	1	
21		F41445W00AP	ORIFICE	1	
22		F64508660AP	SENSOR COVER B	1	P994*FR,T9*5SF/SM,T9*4SFR APH,H9*5
24		F65434W00AP	SENSOR COVER C	1	P994*FR,T9*5SF/SM,T9*4SFR APH,H9*5
25		A607S4M00AP	STEAM SENSOR	1	P994*FR,T9*5SF/SM,T9*4SFR APH,H9*5
26		F612E4W00AP	INCANDESCENT LAMP (U)	1	125V,60Hz,20W
27	⚠	J61424T00AP	MICRO SWITCH	1	(PRIMARY LATCH SWITCH)(V-15G-3C25)
28	⚠	J61414T00AP	MICRO SWITCH	1	(SECONDARY LATCH SWITCH)(D3V-16G-3C25)
29	⚠	F61456N60AP	THERMAL CUTOUT	1	150°C/-20°C
31	⚠	J61784T00AP	MICRO SWITCH	1	(SHORT SWITCH)(D3V-1G-2C25)
32	⚠	F606Y6G00AP	H.V.INVERTER (U)	1	APH,RPH
32	⚠	F606Y6G00CP	H.V.INVERTER (U)	1	CPH
33		F65856K50AP	INVERTER BRACKET	1	
34	⚠	2M261-M32F	MAGNETRON	1	APH,RPH
34	⚠	2M261-M32J	MAGNETRON	1	CPH
35	⚠	F62307A00AP	FUSE	1	20A
36		F62315G10XN	FUSE HOLDER	1	RPH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
37		J692Y7D00AP	NOISE FILTER	1	APH
37		J692Y4T00CPR	NOISE FILTER	1	CPH
38		F63265G60AP	TURNTABLE MOTOR	1	
39		F900C4T60CP	AC CORD W/PLUG	1	P994*FR APH,T9*5SF APH,T9*4SFR APH
39	⚠	F900C4T00AP	AC CORD W/PLUG	1	H9*5 APH,S9*5 APH,S954*FR APH,S934*FR APH, T995 RPH,S955 RPH
39	⚠	F900C4W10CP	AC CORD W/PLUG	1	CPH
40		F66626G10AP	GROUNDING PLATE	1	
41		XTWFA4+12T	SCREW	4	FOR MAGNETRON
42		F90804W00AP	CANOE CLIP	1	FOR COVER
43		XTTANE4T12A0	SCREW	5	FOR CABINET BODY
44		XTTFA4+8BFZ	SCREW	2	FOR CABINET BODY SIDE (P994BFR,H9*5BF,S9*5BF,S9*4BFR)
44		XTTFA4+8BCR	SCREW	2	FOR CABINET BODY SIDE (P994SFR/WFR,T9*5SF/SM,T9*4SFR,H9*5WF,S9*5WF, S9*4WFR)
46		F02445Y00AP	CAUTION LABEL	1	P994SFR,T995SF/SM,T975SF,T965SF,T9*4SFR APH
47		F03347B60AP	MENU LABEL	1	T995SF APH,T985SF APH
47		F03347B60CP	MENU LABEL	1	T995SF CPH
47		F03347B60RP	MENU LABEL	1	T995SF/SM RPH
47		F03347D60AP	MENU LABEL	1	H965BF/WF APH,H935BF/WF APH
47		F03347D60CP	MENU LABEL	1	H965BF/WF CPH
47		F03346L20AP	MENU LABEL	1	S935BF/WF APH
47		F03347G50RP	MENU LABEL	1	S955WF/WM RPH
48		F82575W00AP	DOOR OPENING BRACKET	1	P994*FR,T955SF,T994SFR APH, H965 APH/CPH,H935 APH,S935 APH
48		F82574U00AP	DOOR OPENING BRACKET	1	T995SF/SM,T985SF,T975SF,T965SF,T945SF, T935SF,T964SFR APH,S954*FR APH, S934*FR APH,S955 APH/RPH
49		F04467D00AP	FUNCTION LABEL	1	T995SF APH,T985SF APH
49		F04467D00CP	FUNCTION LABEL	1	T995SF CPH
49		F04467D00RP	FUNCTION LABEL	1	T995SF/SM RPH
50		F00066G00RP	CAUTION LABEL	1	T995SF/SM RPH
51		F11406G00AP	LEVER STOPPER	1	P994*FR,H965 APH/CPH,H935 APH,S935 APH
52		F00167D00AP	CAUTION LABEL	1	T995SF APH,T985SF APH

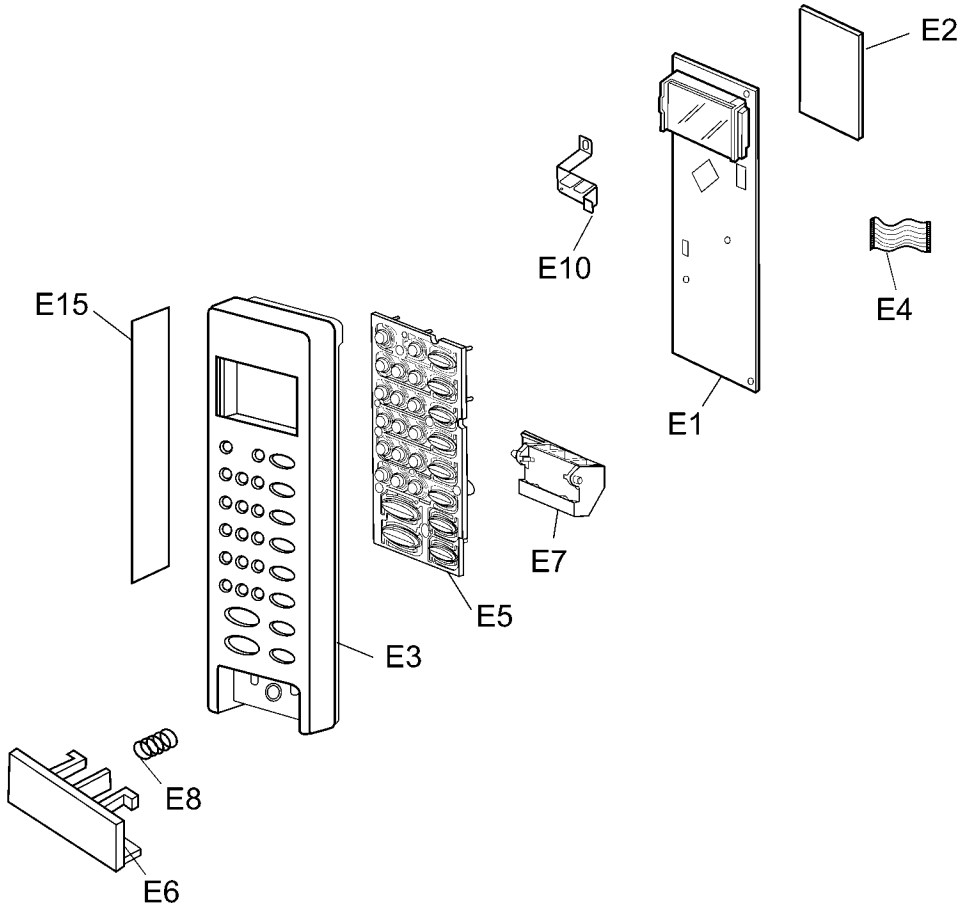
5.3. WIRING MATERIALS



Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
W1		F030A7B60AP	LEAD WIRE HARNESS	1	APH
W1		F030A7B60CP	LEAD WIRE HARNESS	1	CPH
W1		F030A6P40AG	LEAD WIRE HARNESS	1	RPH
W2		F030E6G30AP	H.V.LEAD WIRE	1	APH,RPH
W2		F030E6G30CP	H.V.LEAD WIRE	1	CPH

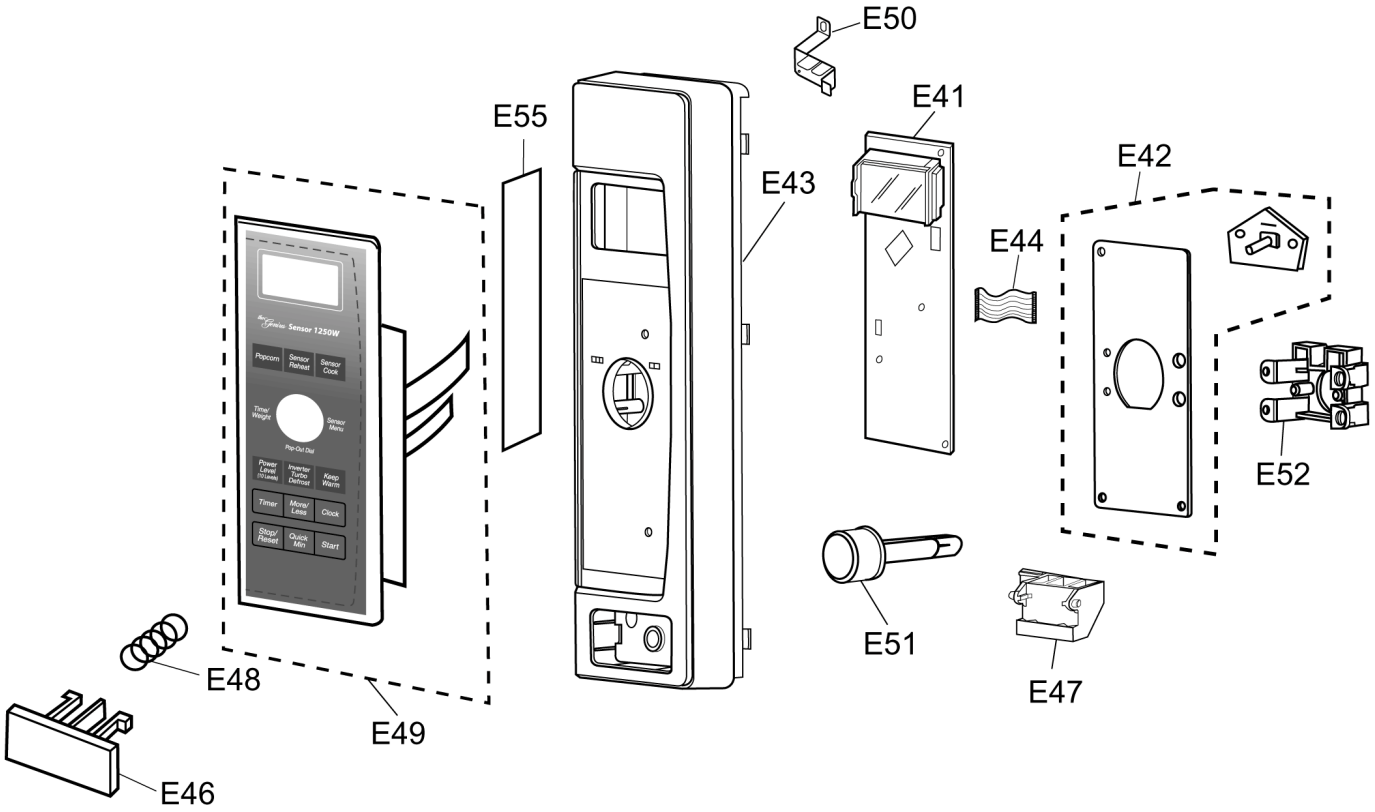
5.4. ESCUTCHEON BASE ASSEMBLY

5.4.1. P994*FR APH/CPH



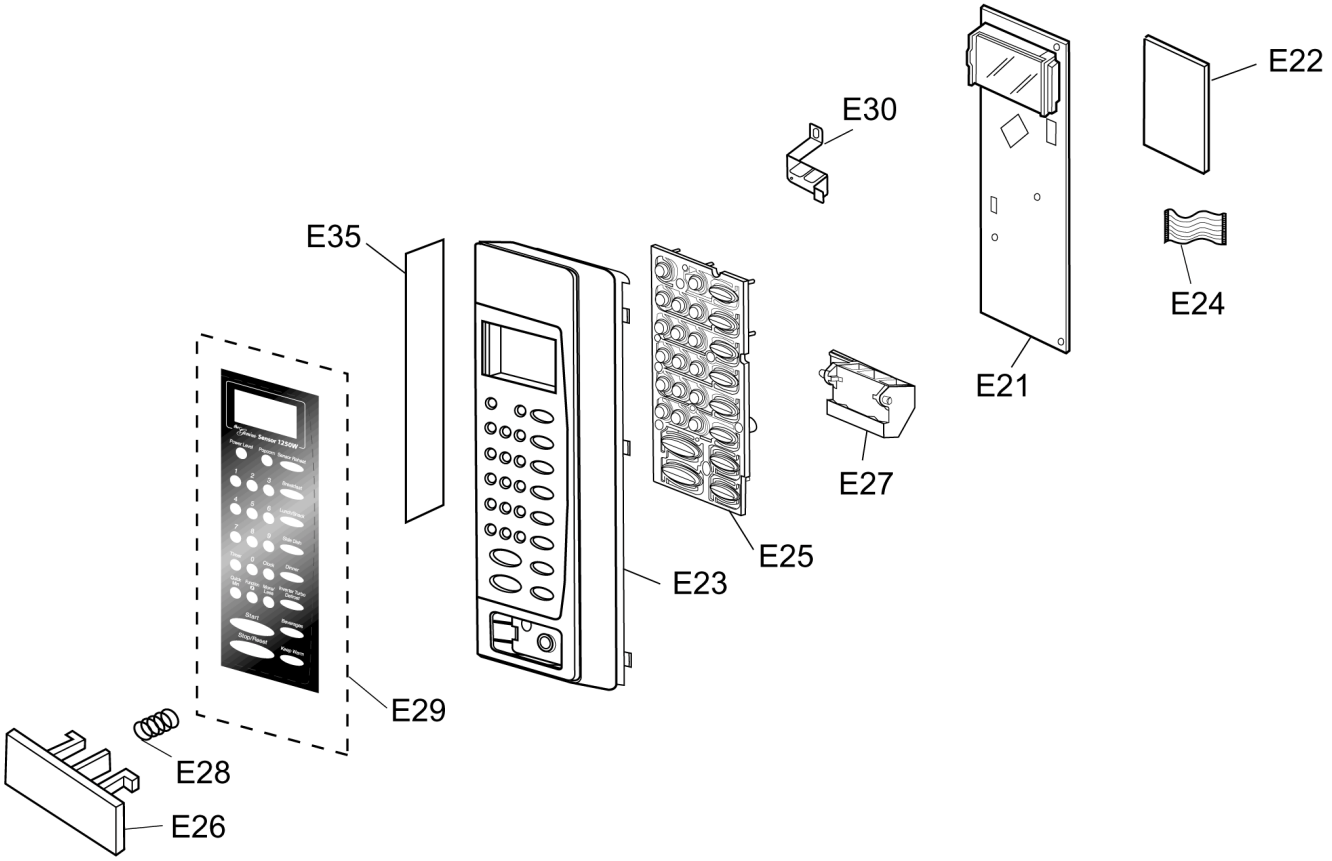
Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
E1		F603L7A00AP	D.P.CIRCUIT (AU)	1	P994SFR/BFR/WFR APH
E1		F603L7A00CP	D.P.CIRCUIT (AU)	1	P994SFR CPH
E2		F603Y5W00AP	D.P.CIRCUIT (DU)	1	P994SFR/BFR/WFR APH
E2		F603Y5W00CP	D.P.CIRCUIT (DU)	1	P994SFR CPH
E3		F800L6G00SAP	ESCUTCHEON BASE (U)	1	P994SFR APH
E3		F800L6G00BAP	ESCUTCHEON BASE (U)	1	P994BFR APH
E3		F800L6G00HAP	ESCUTCHEON BASE (U)	1	P994WFR APH
E3		F800L6G00SCP	ESCUTCHEON BASE (U)	1	P994SFR CPH
E4		F66164W20AP	FLAT CABLE	1	P994*FR APH/CPH
E5		F82986G00SAP	BUTTON	1	P994SFR APH/CPH
E5		F82986G00BAP	BUTTON	1	P994BFR APH
E5		F82986G00HAP	BUTTON	1	P994WFR APH
E6		F891P6G00SAP	DOOR OPENING BUTTON	1	P994SFR APH/CPH
E6		F891P6G00BAP	DOOR OPENING BUTTON	1	P994BFR APH
E6		F891P6G00HAP	DOOR OPENING BUTTON	1	P994WFR APH
E7		F82565W00AP	DOOR OPENING LEVER	1	P994*FR APH/CPH
E8		F80375K00AP	COOK BUTTON SPRING	1	
E10		F90095X00AP	GROUNDING PANEL	1	P994*FR APH/CPH
E15		F00077A00SAP	NAME PLATE	1	P994SFR APH
E15		F00077A00BAP	NAME PLATE	1	P994BFR APH
E15		F00077A00HAP	NAME PLATE	1	P994WFR APH
E15		F00077A00SCP	NAME PLATE	1	P994SFR CPH

5.4.2. NN-T995SF APH/CPH, T995SF/SM RPH, T985SF APH



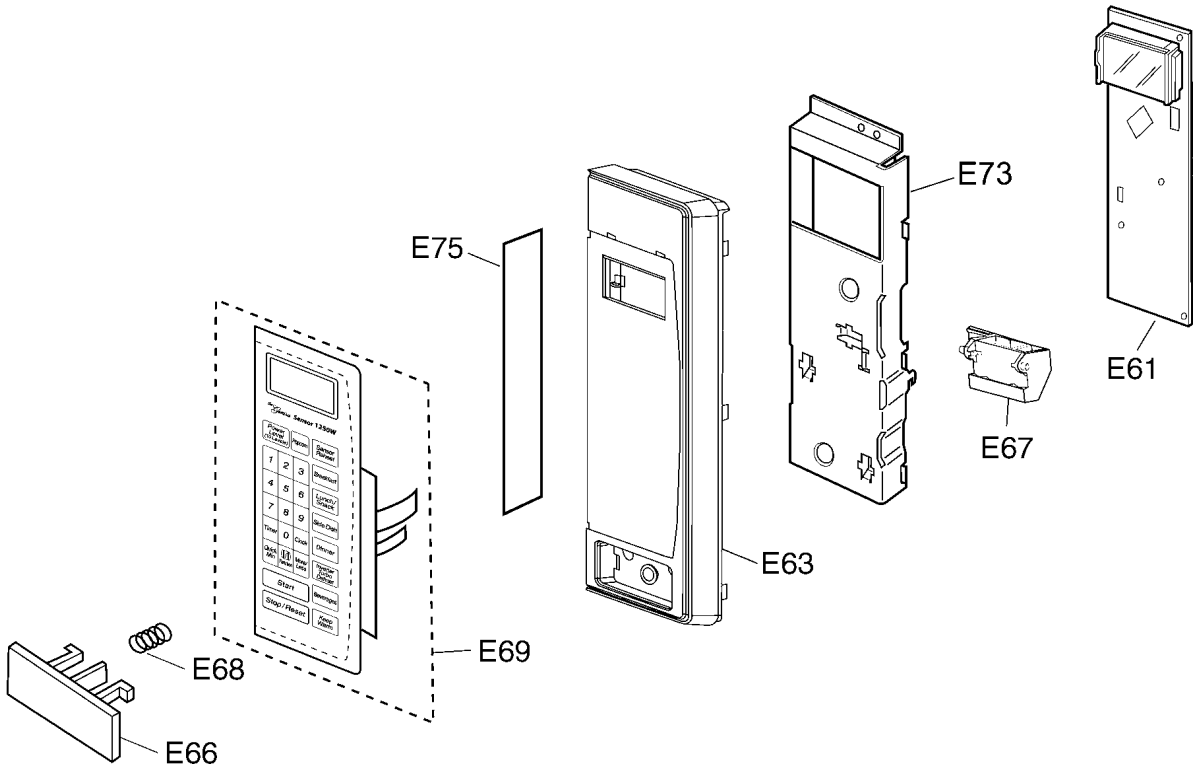
Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
E41		F603L7A10AP	D.P.CIRCUIT (AU)	1	T995SF APH,T985SF APH
E41		F603L7A10CP	D.P.CIRCUIT (AU)	1	T995SF CPH
E41		F603L7A10RP	D.P.CIRCUIT (AU)	1	T995SF/SM RPH
E42		F603Y7A10AP	D.P.CIRCUIT (DU)	1	T995SF APH,T985SF APH
E42		F603Y7A10CP	D.P.CIRCUIT (DU)	1	T995SF CPH,T995SF/SM RPH
E43		F800L7A10BAP	ESCUTCHEON BASE (U)	1	T995SF APH/CPH,T995SF/SM RPH,T985SF APH
E44		F66167D00AP	FLAT CABLE	1	T995SF APH/CPH,T995SF/SM RPH,T985SF APH
E46		F80724M60SCP	DOOR OPENING BUTTON	1	T9*5SF/SM,T9*4SFR APH
E47		F82564M60AP	DOOR OPENING LEVER	1	T995SF APH/CPH,T995SF/SM RPH,T985SF APH
E48		F80375K00AP	COOK BUTTON SPRING	1	
E49		F630Y7A10SAP	MEMBRANE SWITCH (U)	1	T995SF APH,T985SF APH
E49		F630Y7A10SCP	MEMBRANE SWITCH (U)	1	T995SF CPH
E49		F630Y7A10SRP	MEMBRANE SWITCH (U)	1	T995SF/SM RPH
E50		F90095X00AP	GROUNDING PANEL	1	T995SF APH/CPH,T995SF/SM RPH,T985SF APH
E51		F803G7D00BAP	POP-UP DIAL (U)	1	T995SF APH/CPH,T995SF/SM RPH,T985SF APH
E52		F80187D00BAP	BACKSTOP	1	T995SF APH/CPH,T995SF/SM RPH,T985SF APH
E55		F00077A10SAP	NAME PLATE	1	T995SF APH
E55		F00077A10SCP	NAME PLATE	1	T995SF CPH
E55		F00077A10SRP	NAME PLATE	1	T995SF RPH
E55		F00077A20SAP	NAME PLATE	1	T985SF APH

5.4.3. NN-T955SF APH, T994SFR APH



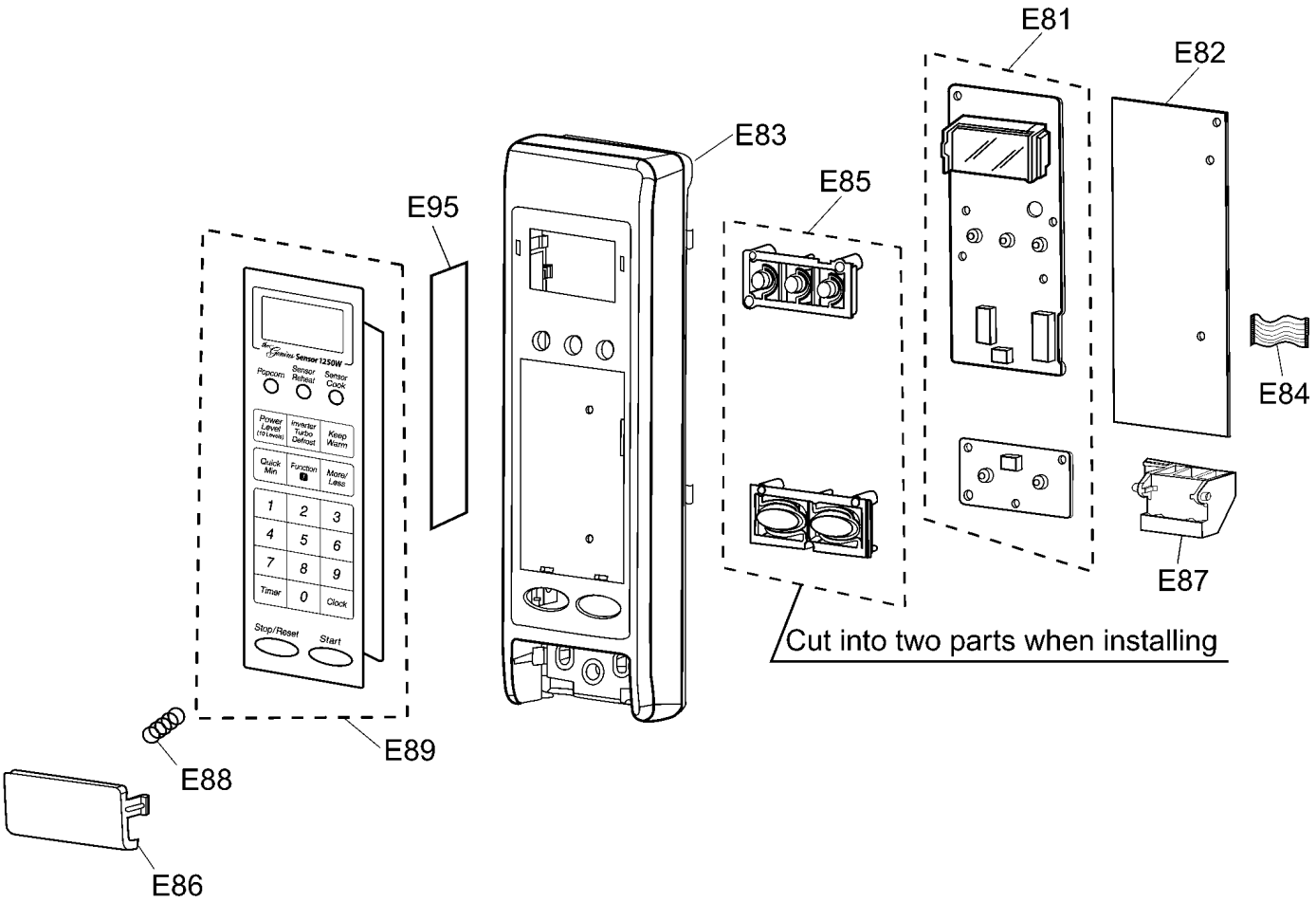
Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
E21		F603L7A60AP	D.P.CIRCUIT (AU)	1	T955SF APH,T994SFR APH
E22		F603Y5W00AP	D.P.CIRCUIT (DU)	1	T955SF APH,T994SFR APH
E23		F800L5W00BAP	ESCUTCHEON BASE (U)	1	T955SF APH,T994SFR APH
E24		F66164W20AP	FLAT CABLE	1	T955SF APH,T994SFR APH
E25		F82985W00AP	BUTTON	1	T955SF APH,T994SFR APH
E26		F80724M60SCP	DOOR OPENING BUTTON	1	T9*5SF/SM,T9*4SFR APH
E27		F82565W00AP	DOOR OPENING LEVER	1	T955SF APH,T994SFR APH
E28		F80375K00AP	COOK BUTTON SPRING	1	
E29		F83377A60SAP	MEMBRANE SHEET	1	T955SF APH
E29		F83376G10SAP	MEMBRANE SHEET	1	T994SFR APH
E30		F90095X00AP	GROUNDING PANEL	1	T955SF APH,T994SFR APH
E35		F00077A60SAP	NAME PLATE	1	T955SF APH
E35		F00077A40SAP	NAME PLATE	1	T994SFR APH

5.4.4. NN-T975SF APH, T965SF APH, T945SF APH, T935SF APH, T964SFR APH



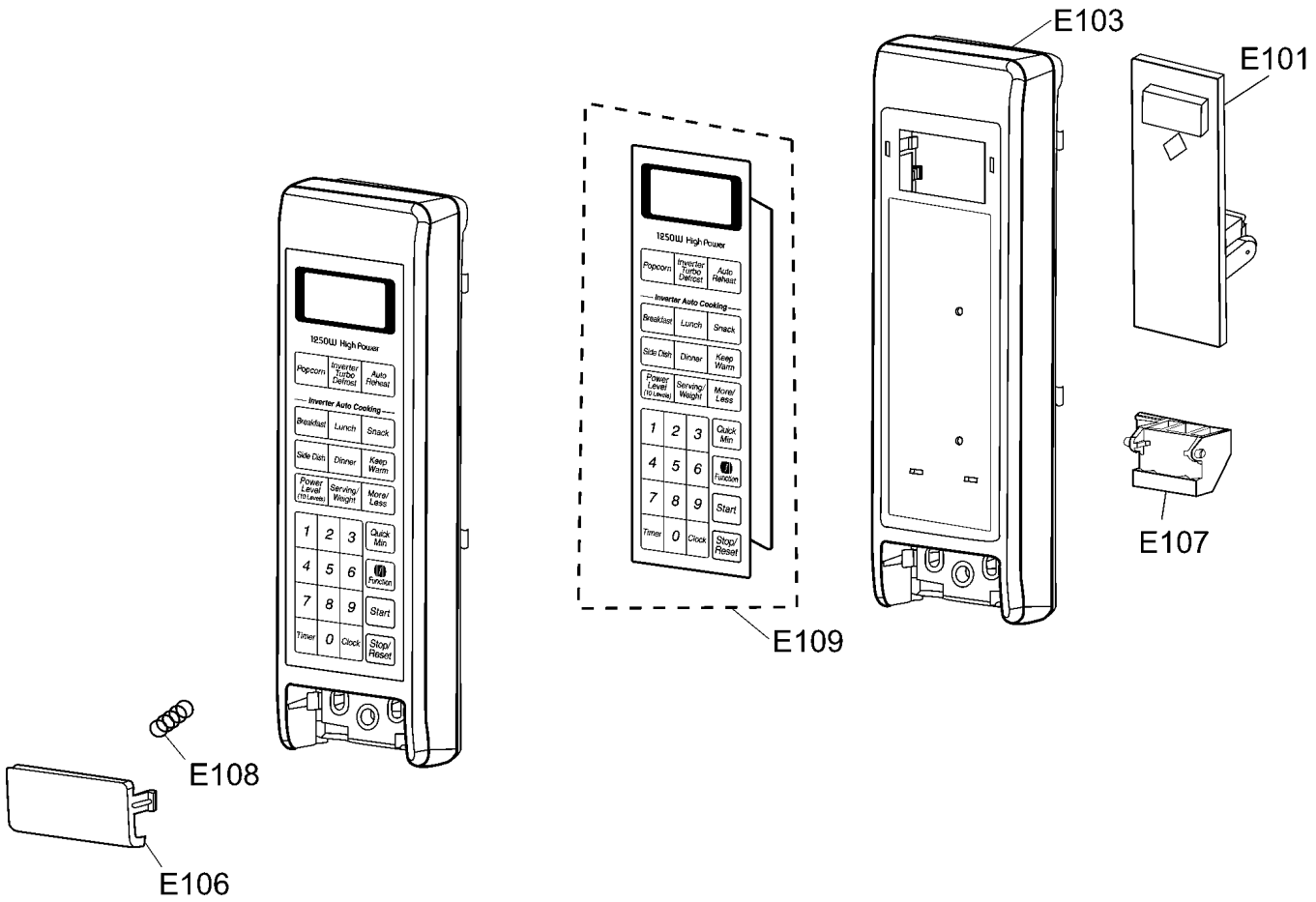
Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
E61		F603L7A30AP	D.P.CIRCUIT (AU)	1	T975SF APH,T965SF APH,T945SF APH,T935SF APH, T964SFR APH
E63		F800L7A10SAP	ESCUTCHEON BASE (U)	1	T975SF APH,T965SF APH,935SF APH
E63		F800L4M60BCP	ESCUTCHEON BASE (U)	1	T945SF APH,T964SFR APH
E66		F80724M60SCP	DOOR OPENING BUTTON	1	T9*5SF/SM,T9*4SFR APH
E67		F82564M60AP	DOOR OPENING LEVER	1	T975SF APH,T965SF APH,T945SF APH,T935SF APH, T964SFR APH
E68		F80375K00AP	COOK BUTTON SPRING	1	
E69		F630Y7A30SAP	MEMBRANE SWITCH (U)	1	T975SF APH
E69		F630Y7A50SAP	MEMBRANE SWITCH (U)	1	T965SF APH
E69		F630Y7A70SAP	MEMBRANE SWITCH (U)	1	T945SF APH
E69		F630Y7A80SAP	MEMBRANE SWITCH (U)	1	T935SF APH
E69		F630Y6Q00SAP	MEMBRANE SWITCH (U)	1	T964SFR APH
E73		F81274M60AP	BACK PANEL	1	T975SF APH,T965SF APH,T945SF APH,T935SF APH, T964SFR APH
E75		F00077A30SAP	NAME PLATE	1	T975SF APH
E75		F00077A50SAP	NAME PLATE	1	T965SF APH
E75		F00077A70SAP	NAME PLATE	1	T945SF APH
E75		F00077A80SAP	NAME PLATE	1	T935SF APH
E75		F00077A90SAP	NAME PLATE	1	T964SFR APH

5.4.5. NN-H965 APH/CPH, H935 APH, S935 APH



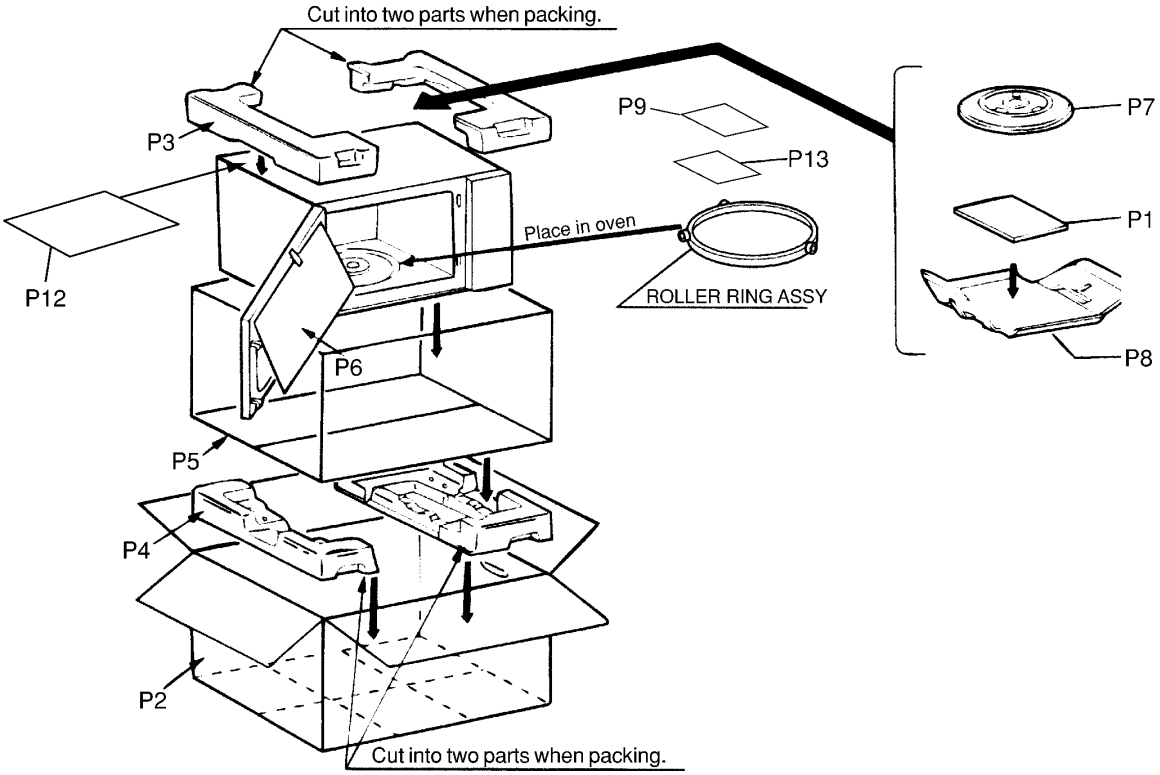
Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
E81		F603L7B00AP	D.P.CIRCUIT (AU)	1	H965BF/WF APH,H935BF/WF APH
E81		F603L7B00CP	D.P.CIRCUIT (AU)	1	H965BF/WF CPH
E81		F603L7B40AP	D.P.CIRCUIT (AU)	1	S935BF/WF APH
E82		F603Y5W00AP	D.P.CIRCUIT (DU)	1	H965BF/WF APH,H935BF/WF APH
E82		F603Y5W00CP	D.P.CIRCUIT (DU)	1	H965BF/WF CPH
E82		F603Y7B40AP	D.P.CIRCUIT (DU)	1	S935BF/WF APH
E83		F80347B00BAP	ESCUTCHEON BASE	1	H965BF APH/CPH,H935BF APH,S935BF APH
E83		F80347B00HAP	ESCUTCHEON BASE	1	H965WF APH/CPH,H935WF APH,S935WF APH
E84		F66164W20AP	FLAT CABLE	1	H965 APH/CPH,H935 APH,S935 APH
E85		F82987D60KAP	BUTTON	1	H965 APH/CPH,H935 APH,S935 APH
E86		F807276G40BAP	DOOR OPENING BUTTON	1	H965BF APH/CPH,H935BF APH,S935BF APH
E86		F807276G40HAP	DOOR OPENING BUTTON	1	H965WF APH/CPH,H935WF APH,S935WF APH
E87		F82565W00AP	DOOR OPENING LEVER	1	H965 APH/CPH,H935 APH/CPH,S935 APH
E88		F80375K00AP	COOK BUTTON SPRING	1	
E89		F630Y7B00BAP	MEMBRANE SWITCH (U)	1	H965BF APH,H935BF APH
E89		F630Y7B00HAP	MEMBRANE SWITCH (U)	1	H965WF APH,H935WF APH
E89		F630Y7B00BCP	MEMBRANE SWITCH (U)	1	H965BF CPH
E89		F630Y7B00HCP	MEMBRANE SWITCH (U)	1	H965WF CPH
E89		F630Y7B40BAP	MEMBRANE SWITCH (U)	1	S935BF APH
E89		F630Y7B40HAP	MEMBRANE SWITCH (U)	1	S935WF APH
E95		F00077B00BCP	NAME PLATE	1	H965BF CPH
E95		F00077B00HCP	NAME PLATE	1	H965WF CPH

5.4.6. NN-S955 APH, S954*FR APH, S934*FR APH, S955 RPH



Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
E101		F603L7B10AP	D.P.CIRCUIT (AU)	1	S955BF/WF APH,S954BFR/WFR APH
E101		F603L7E40AP	D.P.CIRCUIT (AU)	1	S934BFR/WFR APH
E101		F603L7B30RP	D.P.CIRCUIT (AU)	1	S955WF/WM RPH
E103		F80346G40BAP	ESCUTCHEON BASE	1	S955BF APH,S9*4BFR APH
E103		F80346G40HAP	ESCUTCHEON BASE	1	S955WF APH,S9*4WFR APH,S955WF/WM RPH
E106		F80726G40BAP	DOOR OPENING BUTTON	1	S955BF APH,S9*4BFR APH
E106		F80726G40HAP	DOOR OPENING BUTTON	1	S955WF APH,S9*4WFR APH,S955WF/WM RPH
E107		F82564M60AP	DOOR OPENING LEVER	1	S955 APH,S954*FR APH,S934*FR APH
E108		F80375K00AP	COOK BUTTON SPRING	1	
E109		F630Y6G40BAP	MEMBRANE SWITCH (U)	1	S955BF APH,S954BFR APH
E109		F630Y6G40HAP	MEMBRANE SWITCH (U)	1	S955WF APH,S954WFR APH
E109		F630Y6H10BAP	MEMBRANE SWITCH (U)	1	S934BFR APH
E109		F630Y6H10HAP	MEMBRANE SWITCH (U)	1	S934WFR APH
E109		F630Y7B30HRP	MEMBRANE SWITCH (U)	1	S955WF/WM RPH

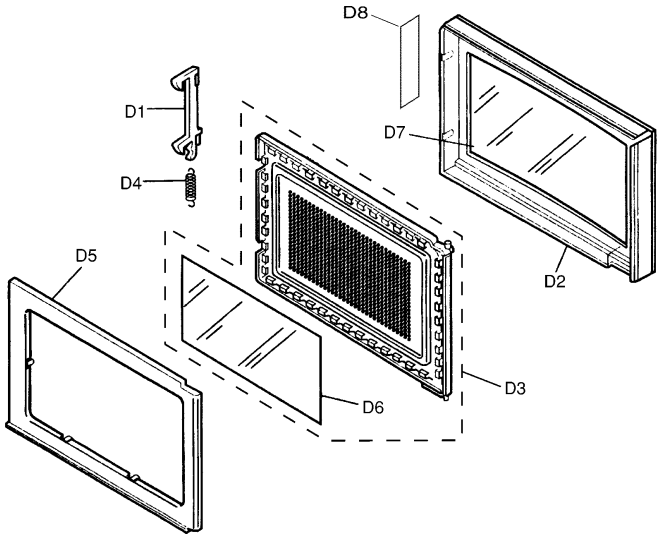
5.5. PACKING AND ACCESSORIES



Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
P1		F00036J00AP	INSTRUCTION MANUAL	1	P994SFR/BFR/WFR APH,T994SFR APH,T964SFR APH
P1		F00036J00CP	INSTRUCTION MANUAL	1	P994SFR CPH
P1		F00037C40AP	INSTRUCTION MANUAL	1	T975SF APH,T965SF APH,T955SF APH,T945SF APH,T935SF APH
P1		F00037D00AP	INSTRUCTION MANUAL	1	T995SF APH,T985SF APH
P1		F00037D00CP	INSTRUCTION MANUAL	1	T995SF CPH
P1		F00037D00RP	INSTRUCTION MANUAL	1	T995SF/SM RPH
P1		F00037C50AP	INSTRUCTION MANUAL	1	H965BF/WF APH,H935BF/WF APH
P1		F00037C50CP	INSTRUCTION MANUAL	1	H965BF/WF CPH
P1		F00036J30AP	INSTRUCTION MANUAL	1	S955BF/WF APH,S954BFR/S954WFR APH
P1		F00037E20AP	INSTRUCTION MANUAL	1	S935BF/WF APH
P1		F00036J60AP	INSTRUCTION MANUAL	1	S934BFR/WFR APH
P1		F00037G50RP	INSTRUCTION MANUAL	1	S955WF/WM RPH
P2		F01027A00SAP	PACKING CASE,PAPER	1	P994SFR APH
P2		F01027A00BAP	PACKING CASE,PAPER	1	P994BFR APH
P2		F01027A00HAP	PACKING CASE,PAPER	1	P994WFR APH
P2		F01027A00SCP	PACKING CASE,PAPER	1	P994SFR CPH
P2		F01027A60SAP	PACKING CASE,PAPER	1	T955SF APH
P2		F01027A40SAP	PACKING CASE,PAPER	1	T994SFR APH
P2		F01027A10SAP	PACKING CASE,PAPER	1	T995SF APH
P2		F01027A10SCP	PACKING CASE,PAPER	1	T995SF CPH
P2		F01027A10SRP	PACKING CASE,PAPER	1	T995SF RPH
P2		F01027G00SRP	PACKING CASE,PAPER	1	T995SM RPH
P2		F01027A20SAP	PACKING CASE,PAPER	1	T985SF APH
P2		F01027A30SAP	PACKING CASE,PAPER	1	T975SF APH
P2		F01027A50SAP	PACKING CASE,PAPER	1	T965SF APH
P2		F01027A70SAP	PACKING CASE,PAPER	1	T945SF APH
P2		F01027A80SAP	PACKING CASE,PAPER	1	T935SF APH
P2		F01027A90SAP	PACKING CASE,PAPER	1	T964SFR APH
P2		F01027B00BAP	PACKING CASE,PAPER	1	H965BF APH
P2		F01027B00HAP	PACKING CASE,PAPER	1	H965WF APH
P2		F01027B00BCP	PACKING CASE,PAPER	1	H965BF CPH
P2		F01027B00HCP	PACKING CASE,PAPER	1	H965WF CPH
P2		F01027E30BAP	PACKING CASE,PAPER	1	H935BF APH
P2		F01027E30HAP	PACKING CASE,PAPER	1	H935WF APH
P2		F01027B20BAP	PACKING CASE,PAPER	1	S955BF APH
P2		F01027B20HAP	PACKING CASE,PAPER	1	S955WF APH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
P2		F01027B40BAP	PACKING CASE,PAPER	1	S935BF APH
P2		F01027B40HAP	PACKING CASE,PAPER	1	S935WF APH
P2		F01027B10BAP	PACKING CASE,PAPER	1	S954BFR APH
P2		F01027B10HAP	PACKING CASE,PAPER	1	S954WFR APH
P2		F01027E40BAP	PACKING CASE,PAPER	1	S934BFR APH
P2		F01027E40HAP	PACKING CASE,PAPER	1	S934WFR APH
P2		F01027B30HRP	PACKING CASE,PAPER	1	S955WF RPH
P2		F01027G10HRP	PACKING CASE,PAPER	1	S955WM RPH
P3		F01044W00AP	UPPER FILLER	1	P994*FR,T9*5SF/SM,T9*4SFR APH
P3		F01045J00AP	UPPER FILLER	1	H9*5,S9*5,S9*4BFR/WFR APH,S955 RPH
P4		F01054W00AP	LOWER FILLER	1	P994*FR,T9*5SF/SM,T9*4SFR APH
P4		F01055J00AP	LOWER FILLER	1	H9*5,S9*5,S9*4BFR/WFR APH,S955 RPH
P5		F01064W00AP	P.E.BAG	1	
P6		F01074U00AP	DOOR SHEET	1	
P7		F06014M00AP	COOKING TRAY	1	
P8		F01084M00AP	TRAY PACKING	1	
P9		F01924U00AP	SHEET	1	P994BFR,T985SF,T955SF,T945SF,T935SF, H9*5BF,S9*5BF,S9*4BFR
P10		F00065G40AP	CAUTION LABEL	1	APH,RPH
P11		F04457A10SCP	OVERLAY	1	T995SF CPH
P11		F04457B00BCP	OVERLAY	1	H965BF CPH
P11		F04457B00HCP	OVERLAY	1	H965WF CPH

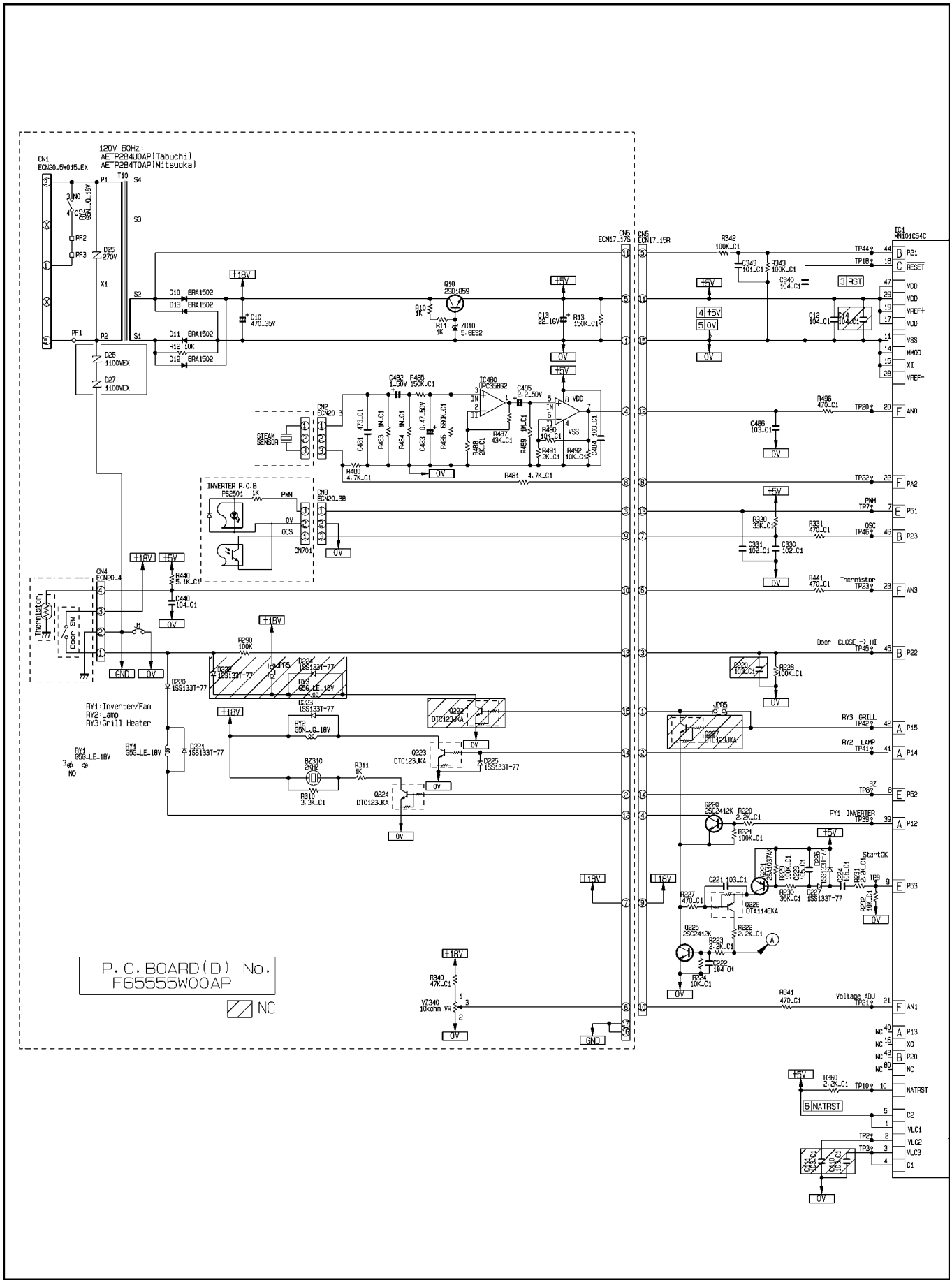
5.6. DOOR ASSEMBLY

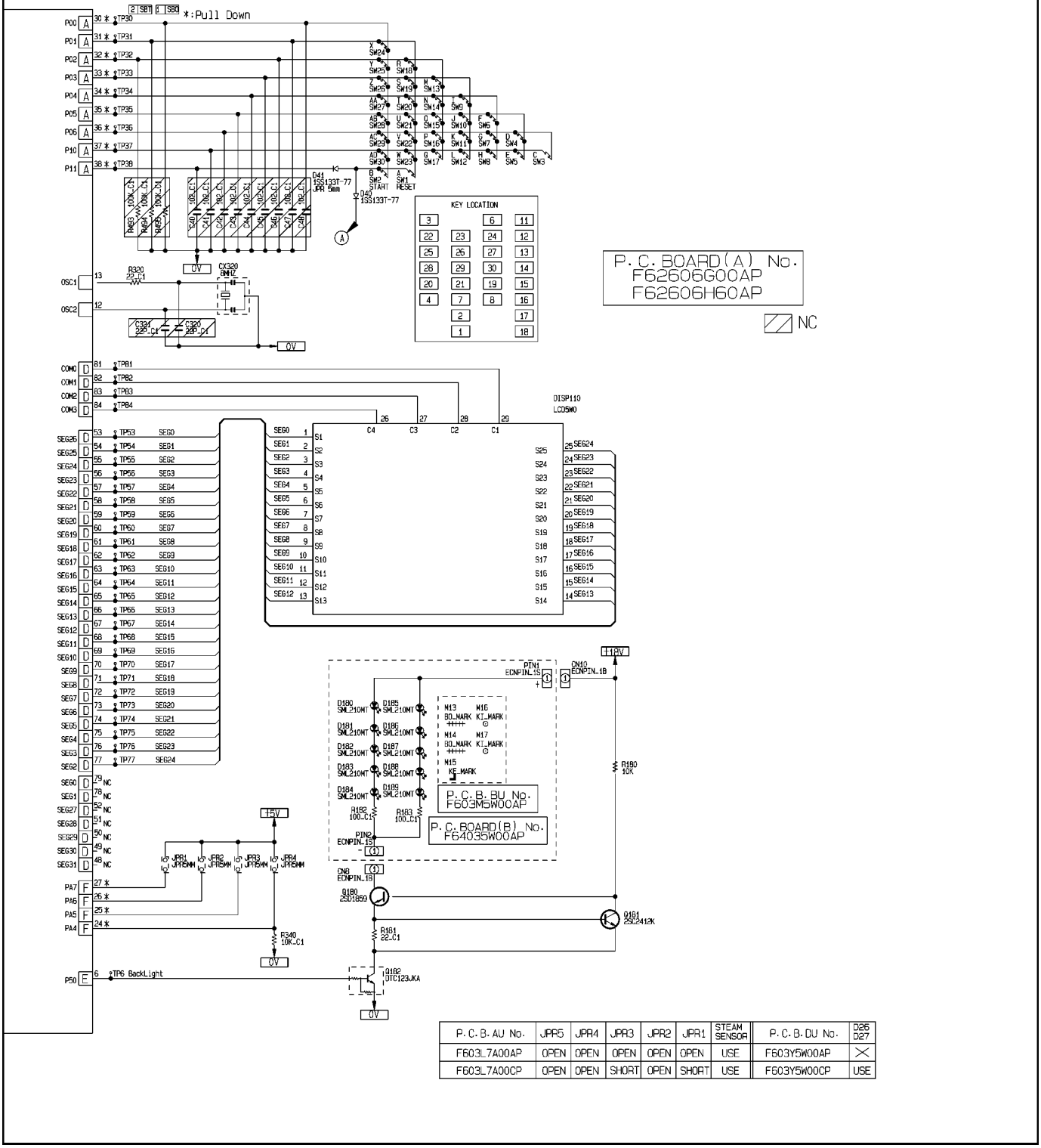


Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
D1		F3018-1200	DOOR KEY A	1	
D2	⚠	F301A6G00SAP	DOOR A (U)	1	P994SFR APH/CPH
D2	⚠	F301A6G00BAP	DOOR A (U)	1	P994BFR APH
D2	⚠	F301A6G00HAP	DOOR A (U)	1	P994WFR APH
D2	⚠	F301A710SAP	DOOR A (U)	1	T995SF APH/CPH,T995SF/SM RPH T985SF APH,T965SF APH,T935SF APH
D2	⚠	F301A730SAP	DOOR A (U)	1	T975SF APH
D2	⚠	F301A5W00SAP	DOOR A (U)	1	T955SF APH,T9*4SFR APH
D2	⚠	F30016G40BAP	DOOR A	1	H9*5BF,S9*5BF,S9*4BFR
D2	⚠	F30016G40HAP	DOOR A	1	H9*5WF,S9*5WF/WM,S9*4WFR
D3	⚠	F302K4U00AP	DOOR E (U)	1	
D4		F30215G10XN	DOOR KEY SPRING	1	
D5	⚠	F30854U00AP	DOOR C	1	
D6	⚠	F31454U00AP	DOOR SCREEN A	1	
D7		F31467B00BAP	DOOR SCREEN B	1	H9*5BF,S935BF APH,S9*4BFR
D7		F31467B00HAP	DOOR SCREEN B	1	H9*5WF,S935WF APH,S9*4WFR
D7		F31466G40BAP	DOOR SCREEN B	1	S955BF APH
D7		F31466G40HAP	DOOR SCREEN B	1	S955WF APH,S955WF/WM RPH
D8		F02459660AP	DHHS LABEL	1	P994*FR APH,T9*5SF APH,T9*4SFR APH,T995SF/SM RPH
D8		F04114180CP	HC LABEL	1	P994SFR CPH,T995SF CPH

6 DIGITAL PROGRAMMER CIRCUIT

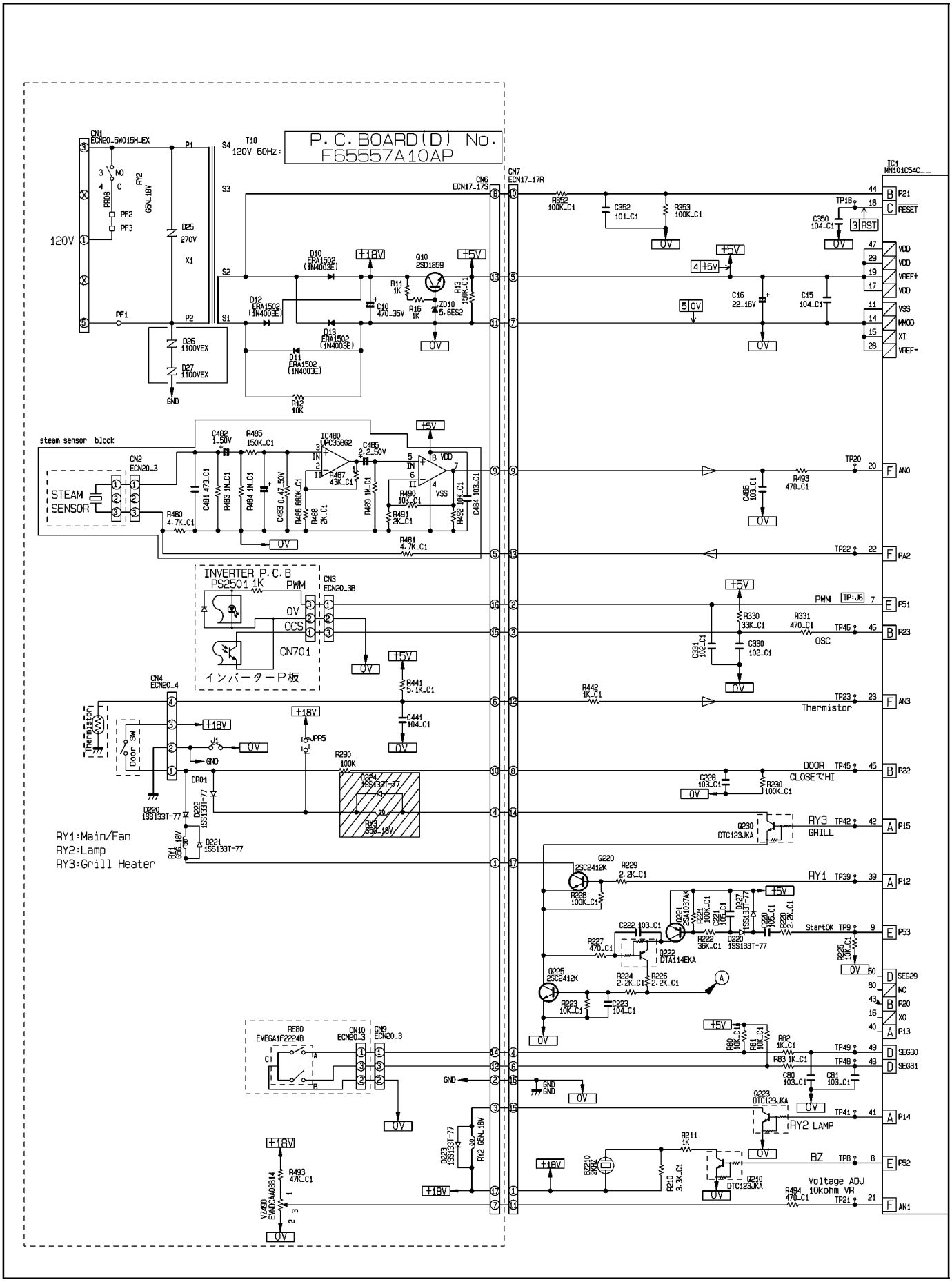
6.1. P994*FR APH/CPH

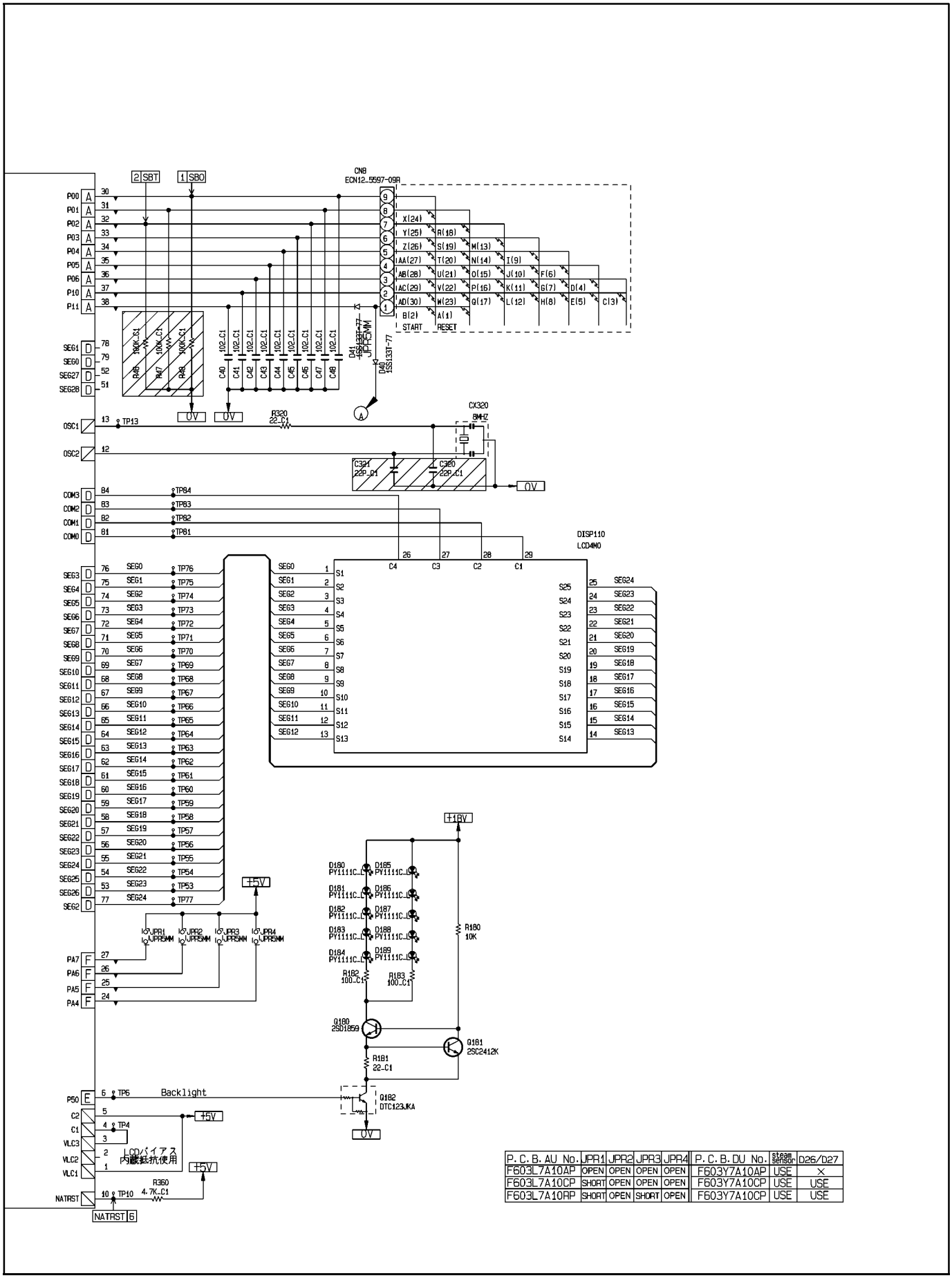




P. C. B. AU No.	JPR5	JPR4	JPR3	JPR2	JPR1	STEAM SENSOR	P. C. B. DU No.	D26 D27
F603L7A00AP	OPEN	OPEN	OPEN	OPEN	OPEN	USE	F603Y5W00AP	×
F603L7A00CP	OPEN	OPEN	SHORT	OPEN	SHORT	USE	F603Y5W00CP	USE

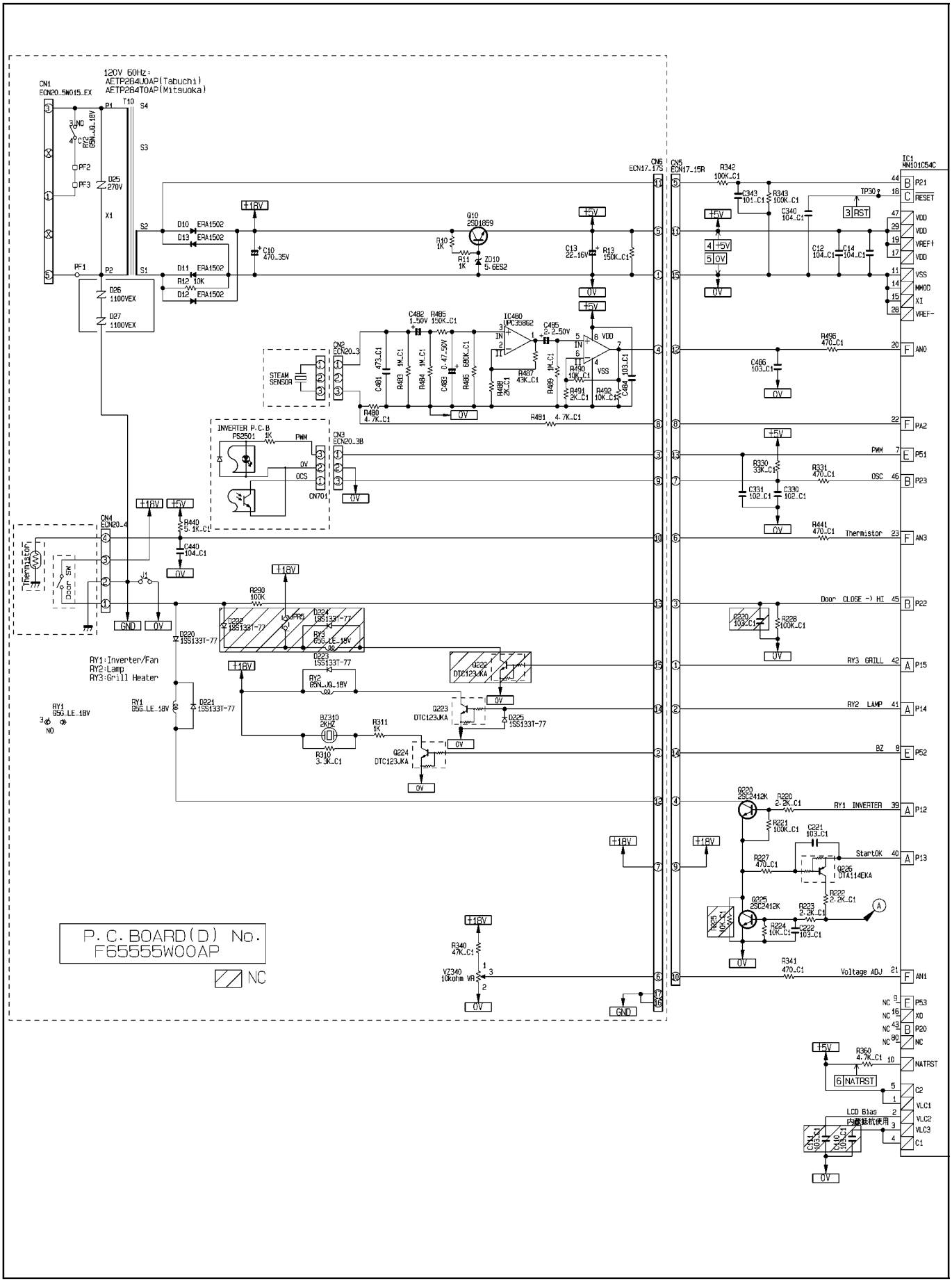
6.2. NN-T995SF APH/CPH, T995SF/SM RPH, T985SF APH

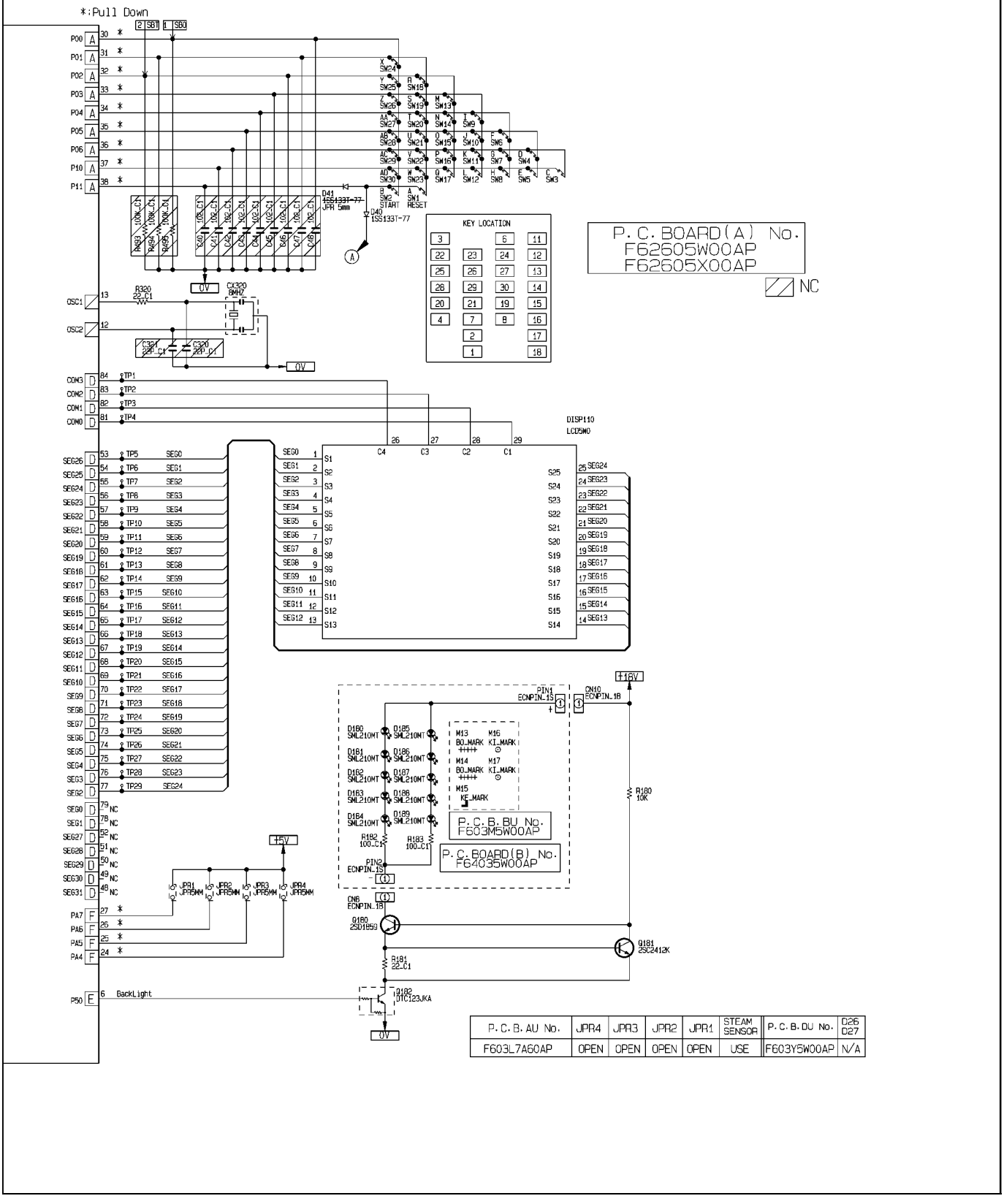




P.C.B.AU No.	JPR1	JPR2	JPR3	JPR4	P.C.B.DU No.	steam sensor	D26/D27
F603L7A10AP	OPEN	OPEN	OPEN	OPEN	F603Y7A10AP	USE	×
F603L7A10CP	SHORT	OPEN	OPEN	OPEN	F603Y7A10CP	USE	USE
F603L7A10RP	SHORT	OPEN	SHORT	OPEN	F603Y7A10CP	USE	USE

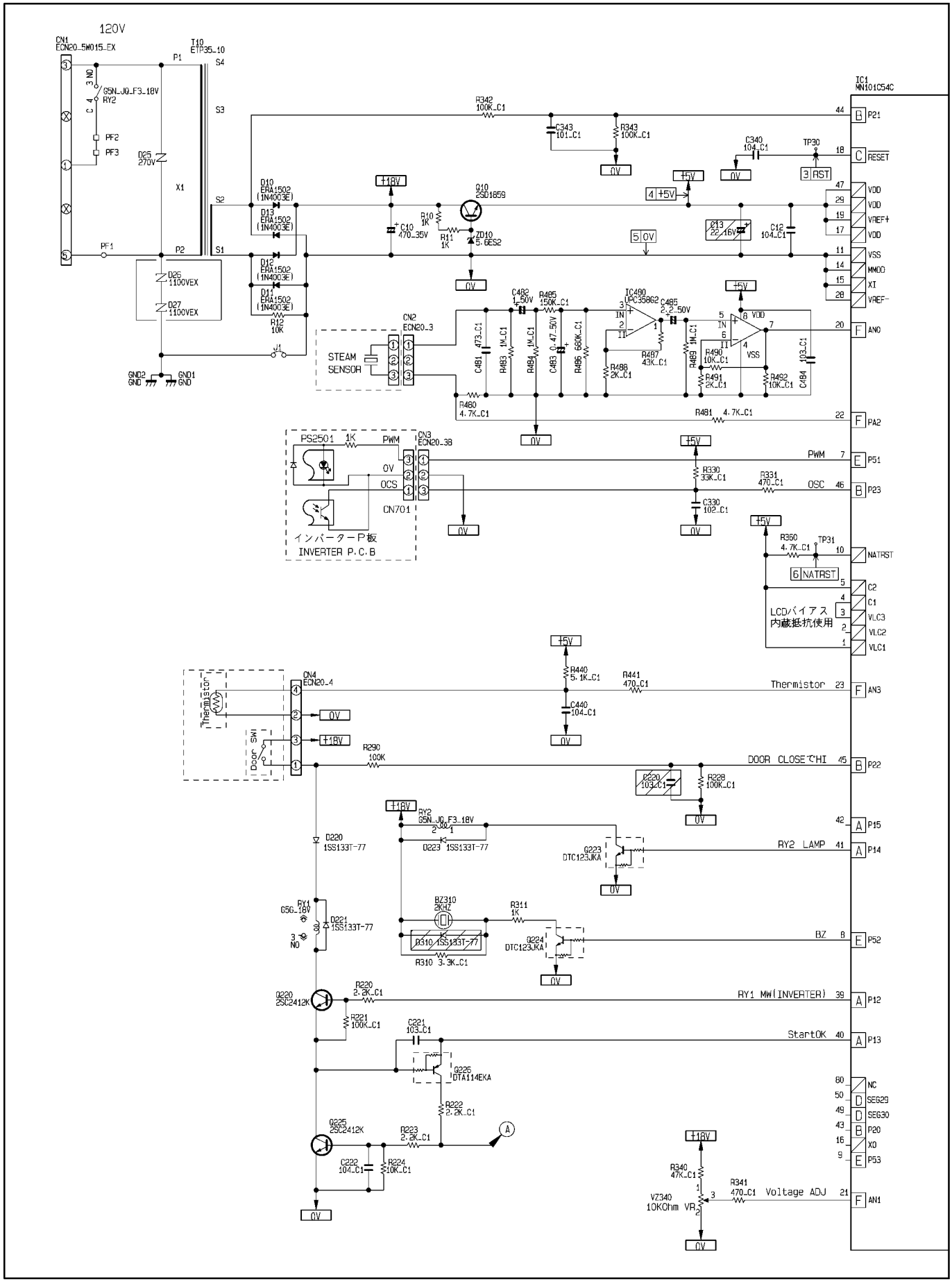
6.3. NN-T955SF APH, T994SFR APH

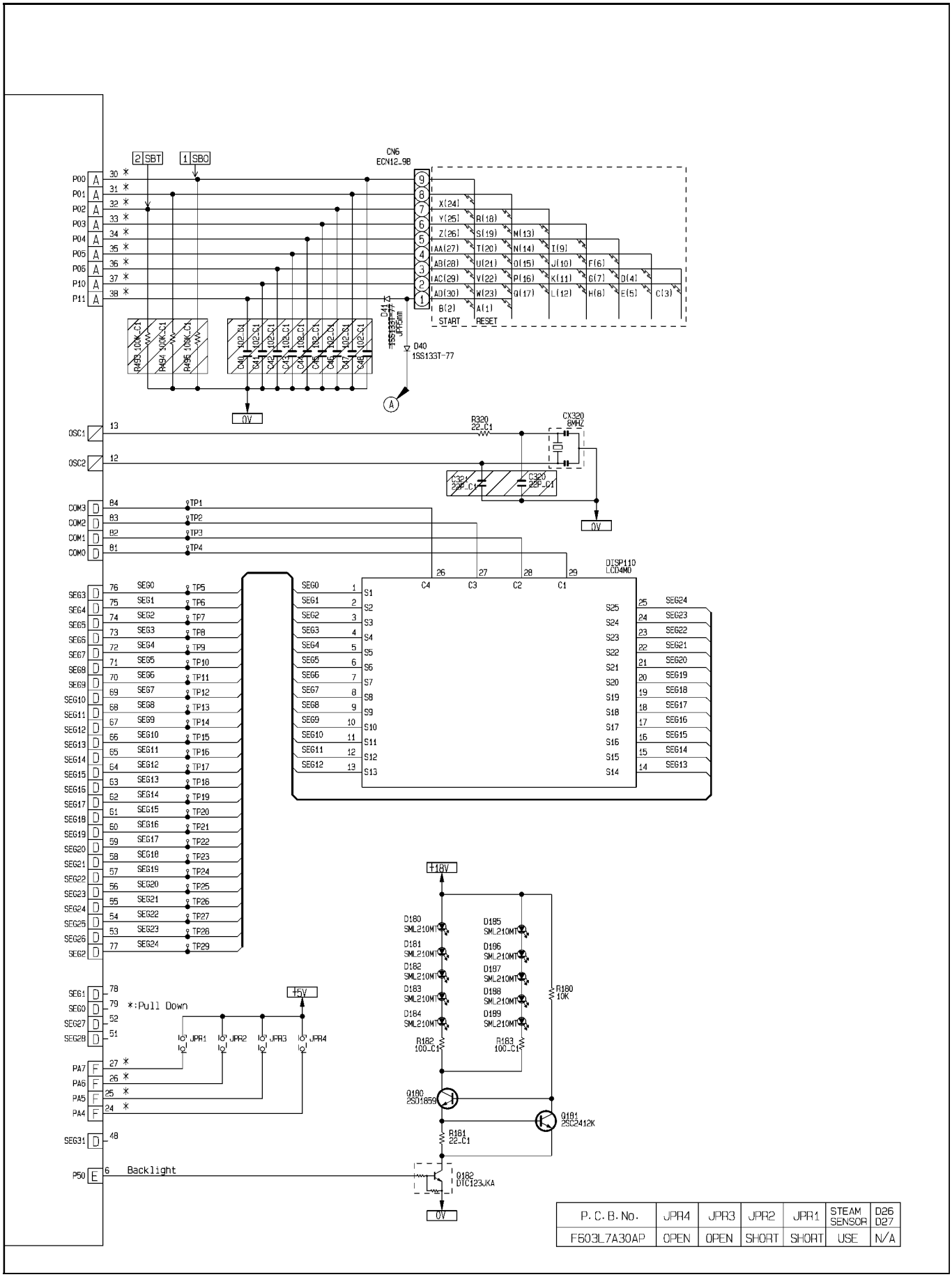




P. C. B. AU No.	JPR4	JPR3	JPR2	JPR1	STEAM SENSOR	P. C. B. DU No.	D26 D27
F603L7A60AP	OPEN	OPEN	OPEN	OPEN	USE	F603Y5W00AP	N/A

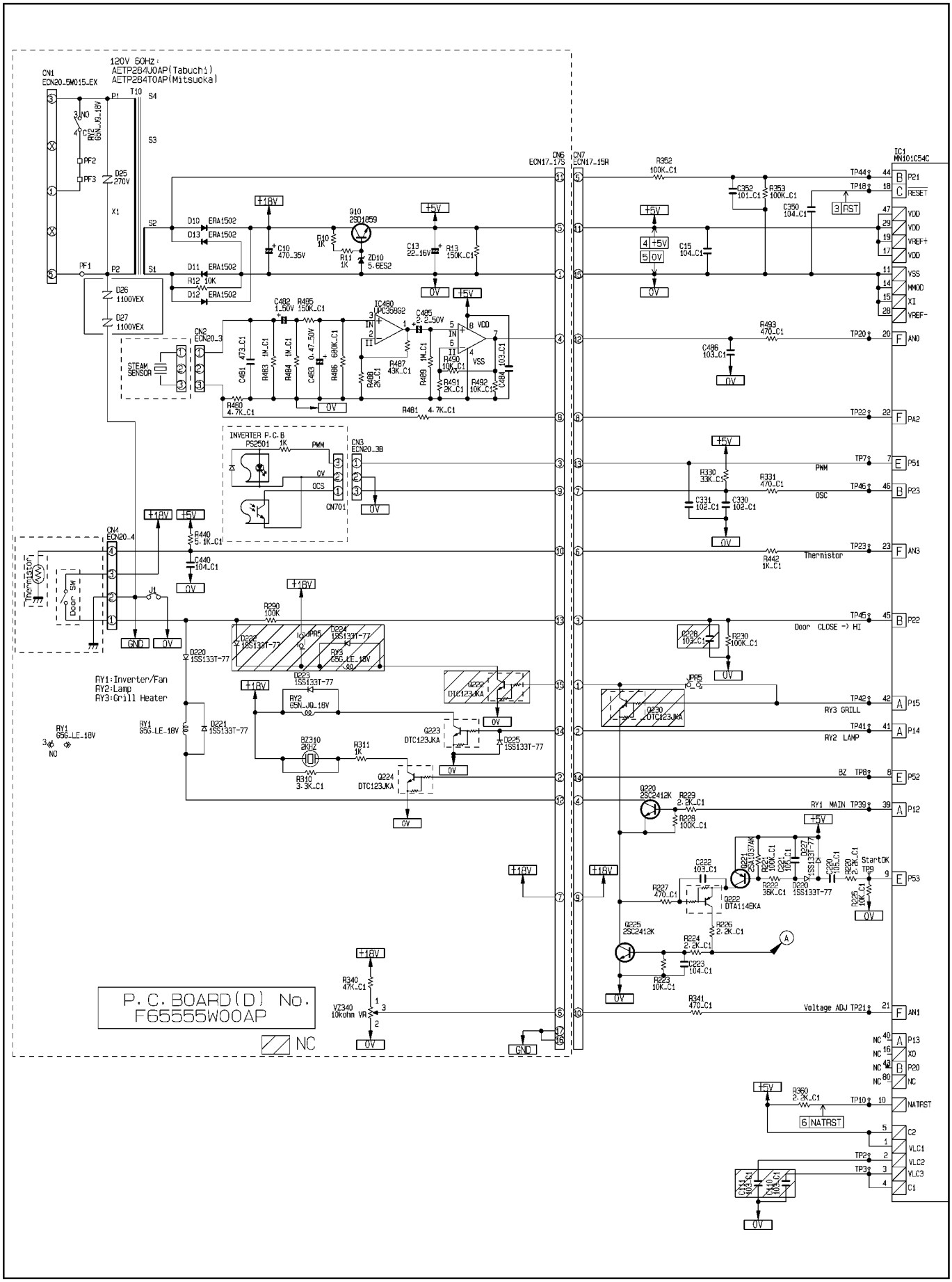
6.4. NN-T975SF/T965SF/T945SF/T935SF APH, T964SFR APH

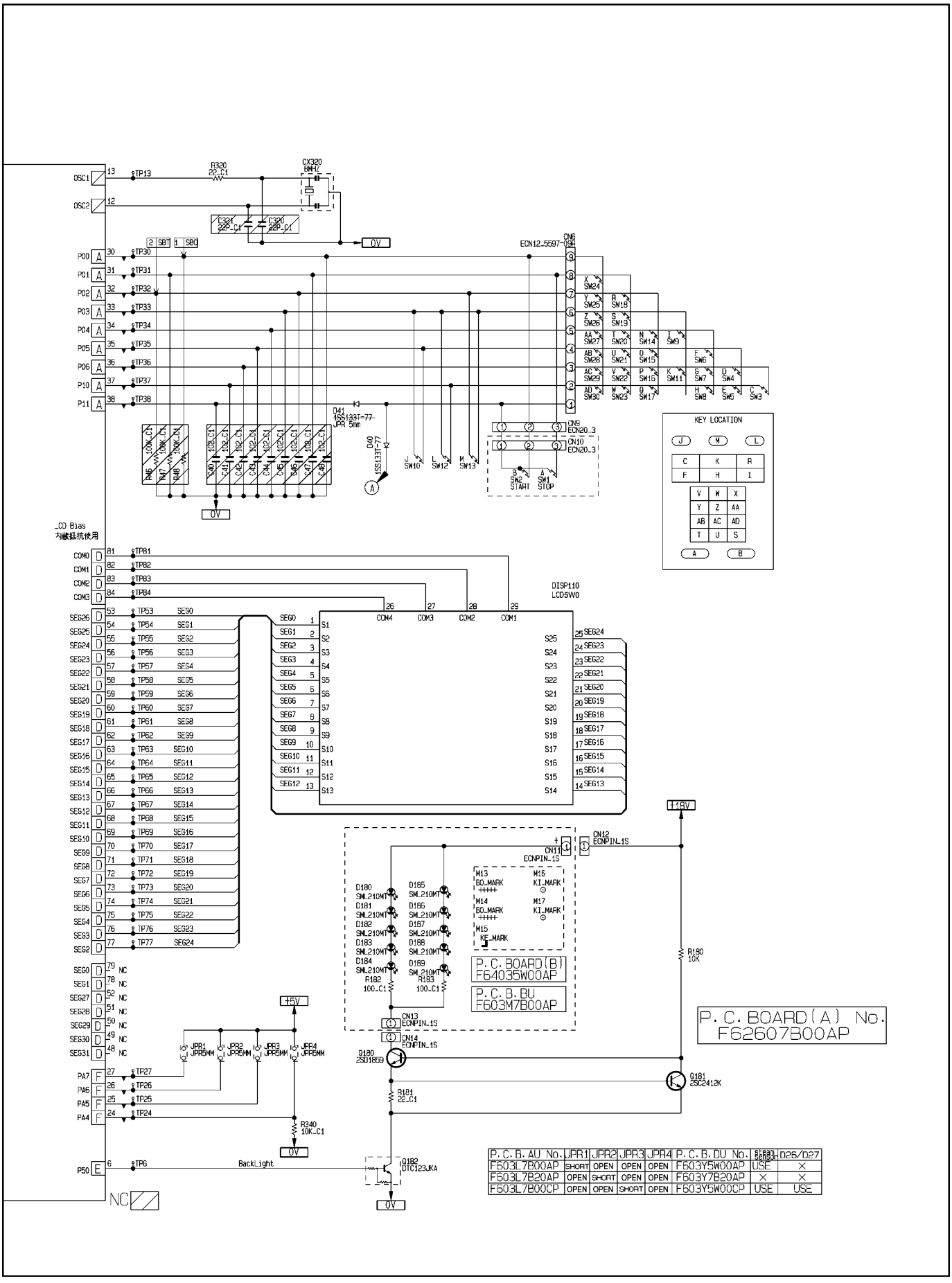




P. C. B. No.	JPR4	JPR3	JPR2	JPR1	STEAM SENSOR	D26 D27
F503L7A30AP	OPEN	OPEN	SHORT	SHORT	USE	N/A

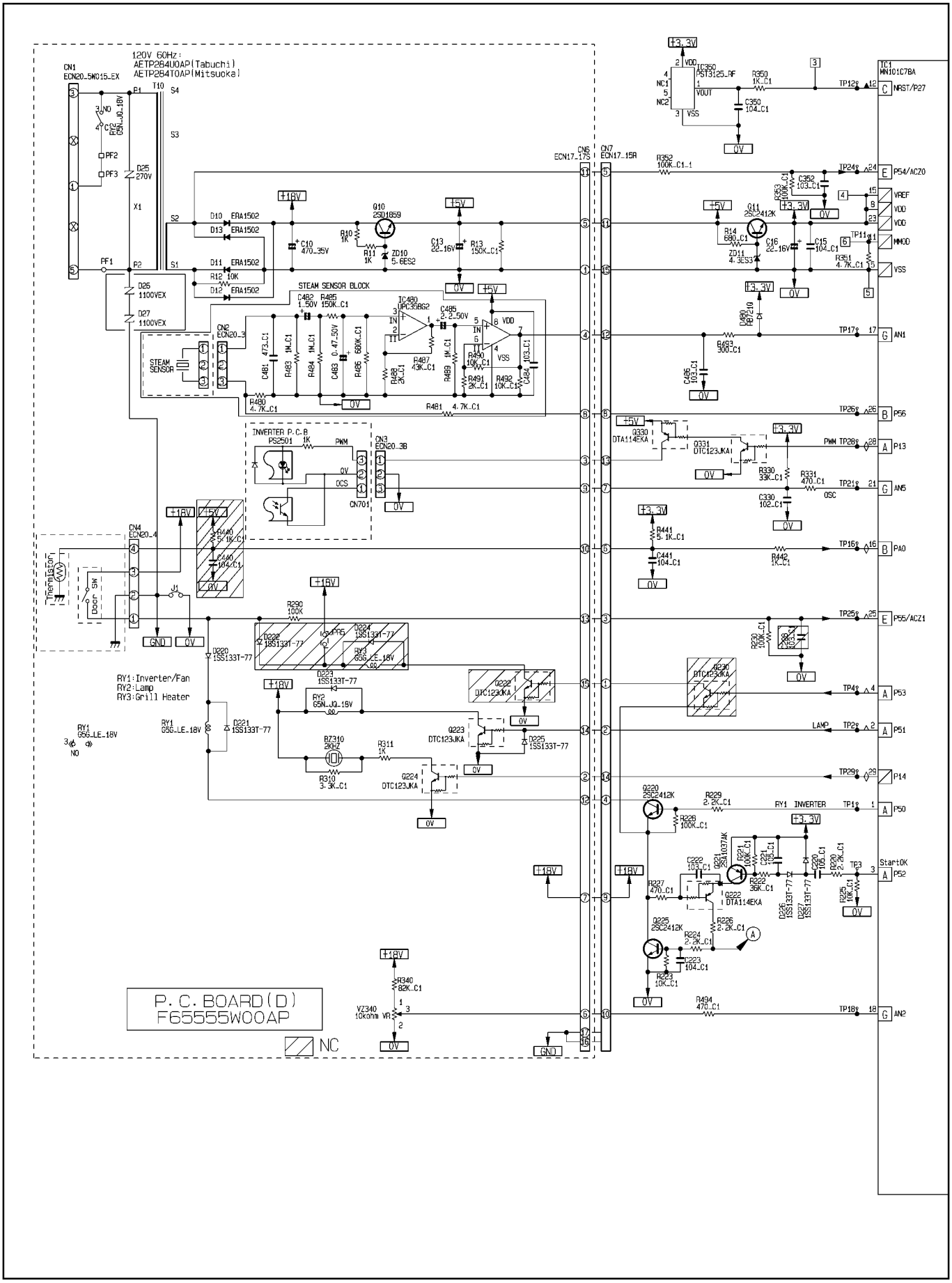
6.5. NN-H965 APH/CPH, H935 APH

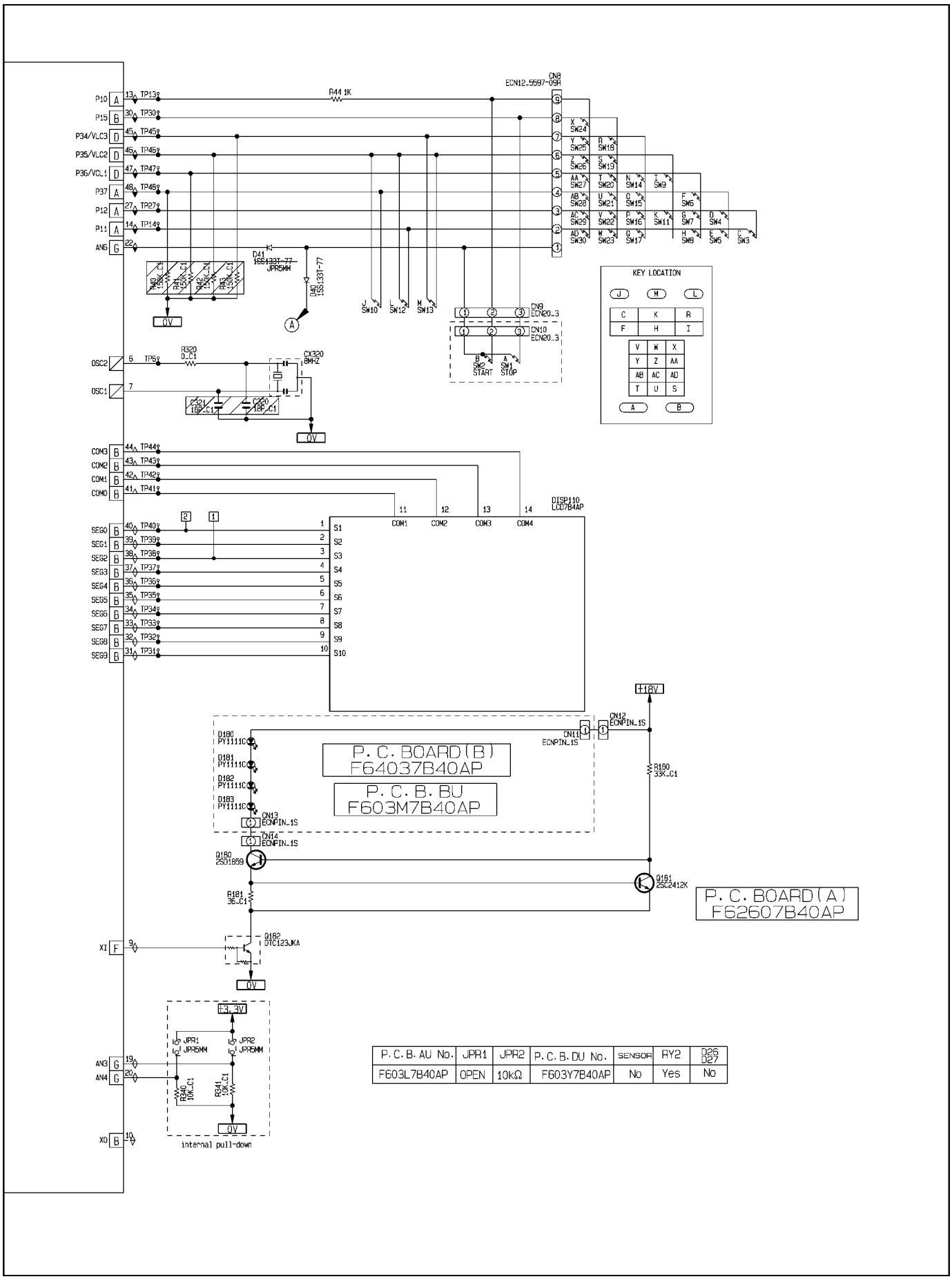




P.C.B.AU No.	JPR1	JPR2	JPR3	JPR4	P.C.B.DU No.	SEG30-56(D26/D27	
F603L7B00AP	SHORT	OPEN	OPEN	OPEN	F603Y5W00AP	USE	×
F603L7B20AP	OPEN	SHORT	OPEN	OPEN	F603Y7B20AP	×	×
F603L7B00CP	OPEN	OPEN	SHORT	OPEN	F603Y5W00CP	USE	USE

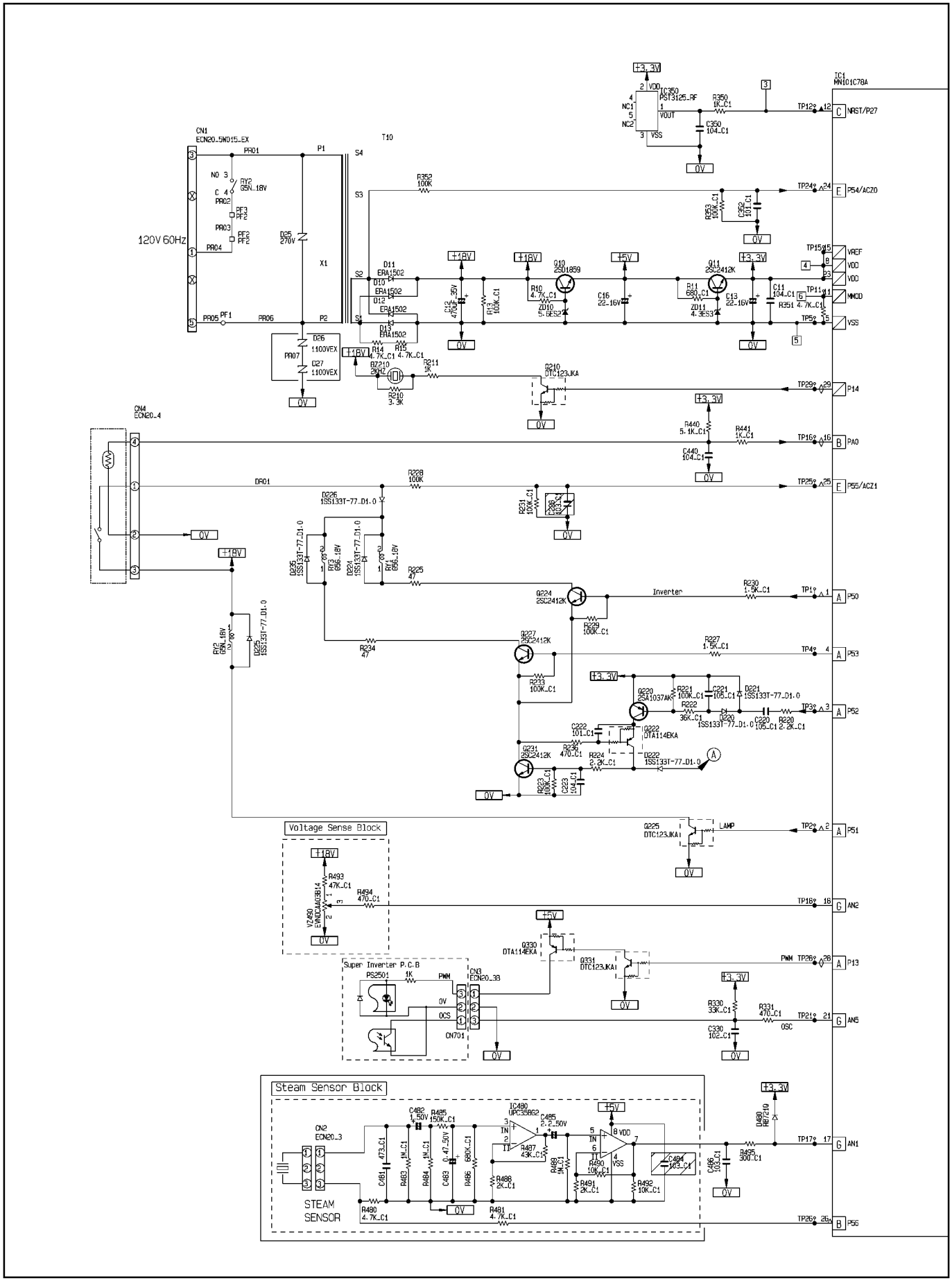
6.6. NN-S935 APH

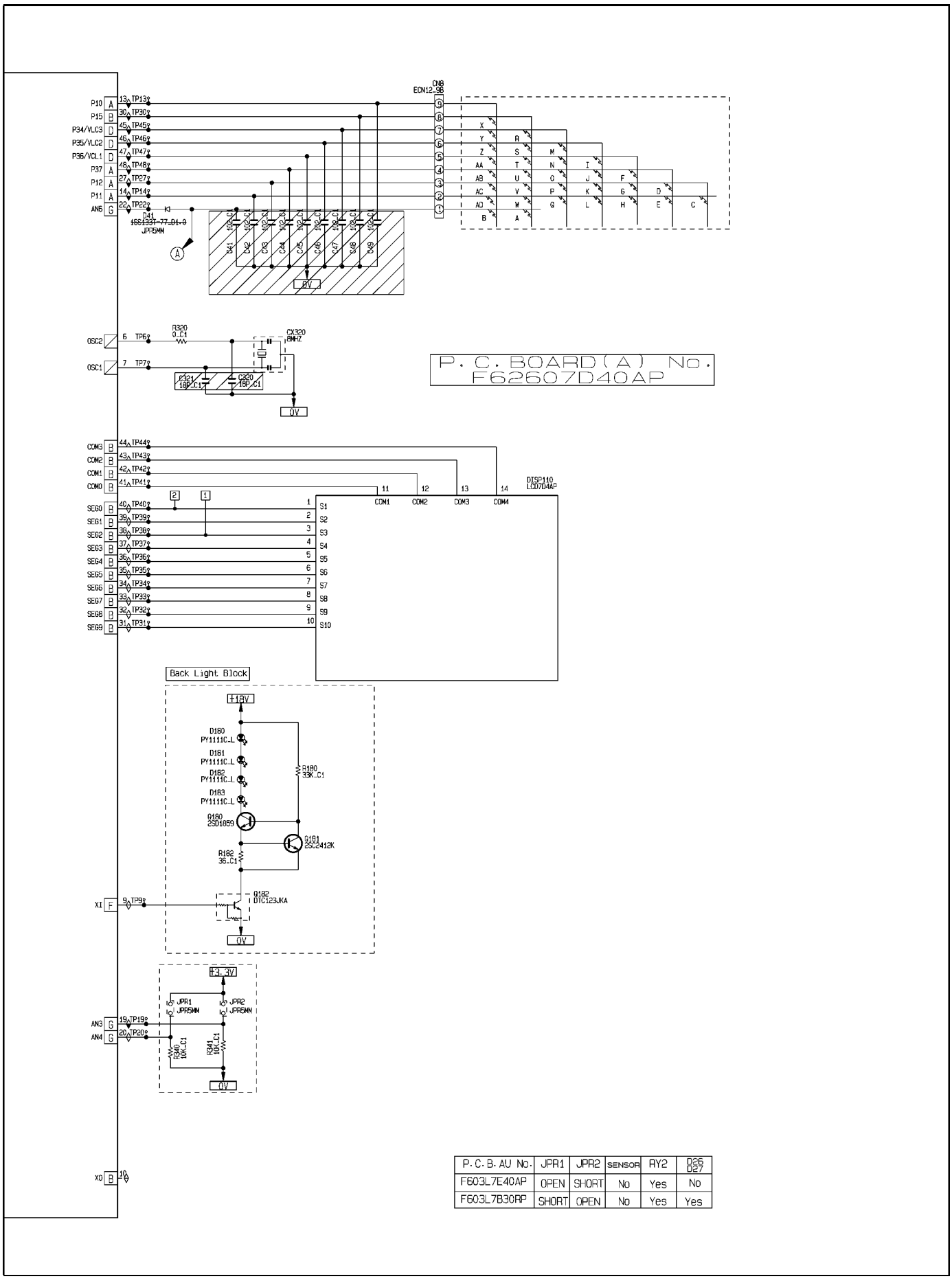




P. C. B. AU No.	JPR1	JPR2	P. C. B. DU No.	SENSOR	AY2	D26 D27
F603L7B40AP	OPEN	10kΩ	F603Y7B40AP	No	Yes	No

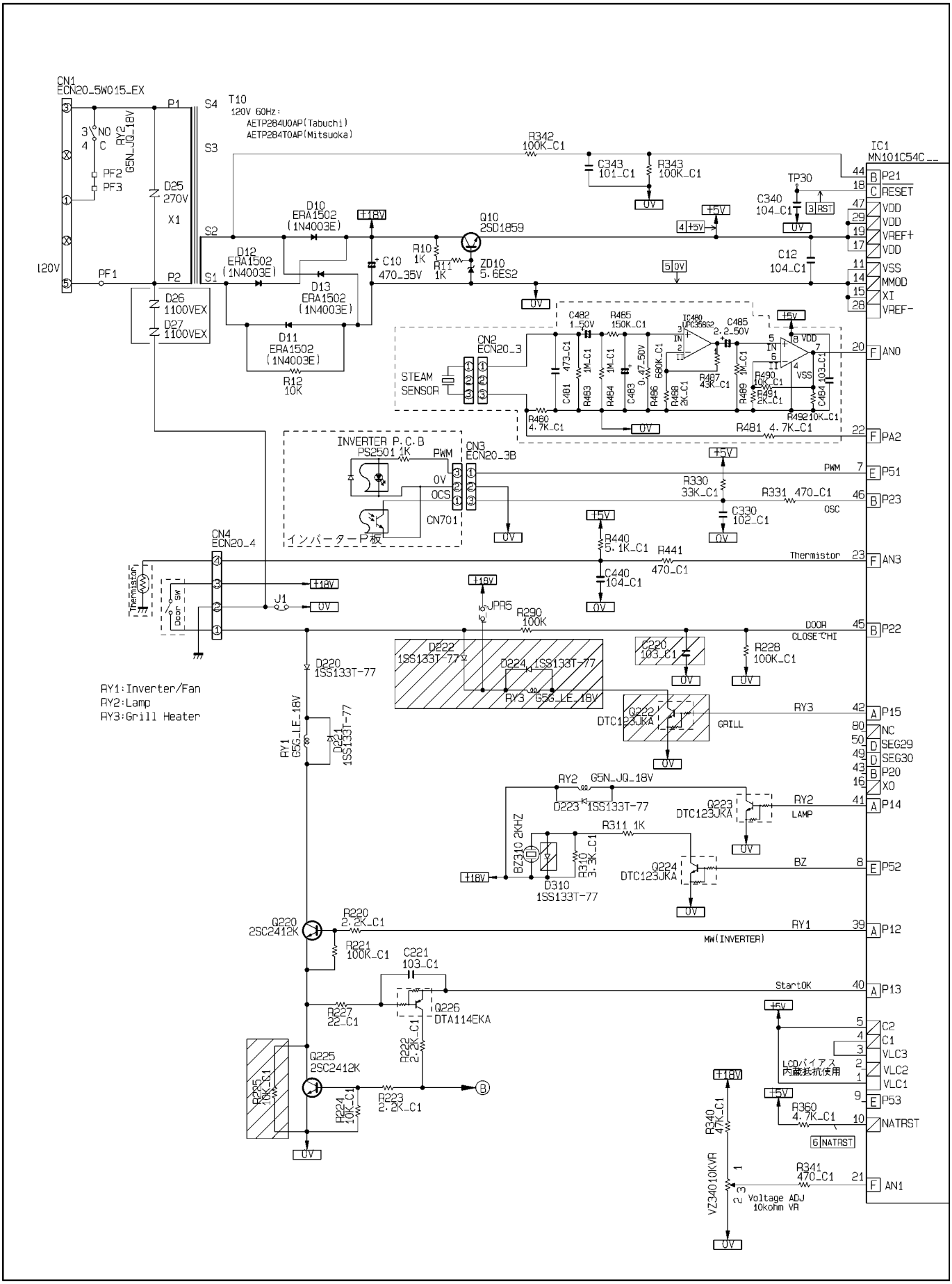
6.7. NN-S955 RPH, S934*FR APH

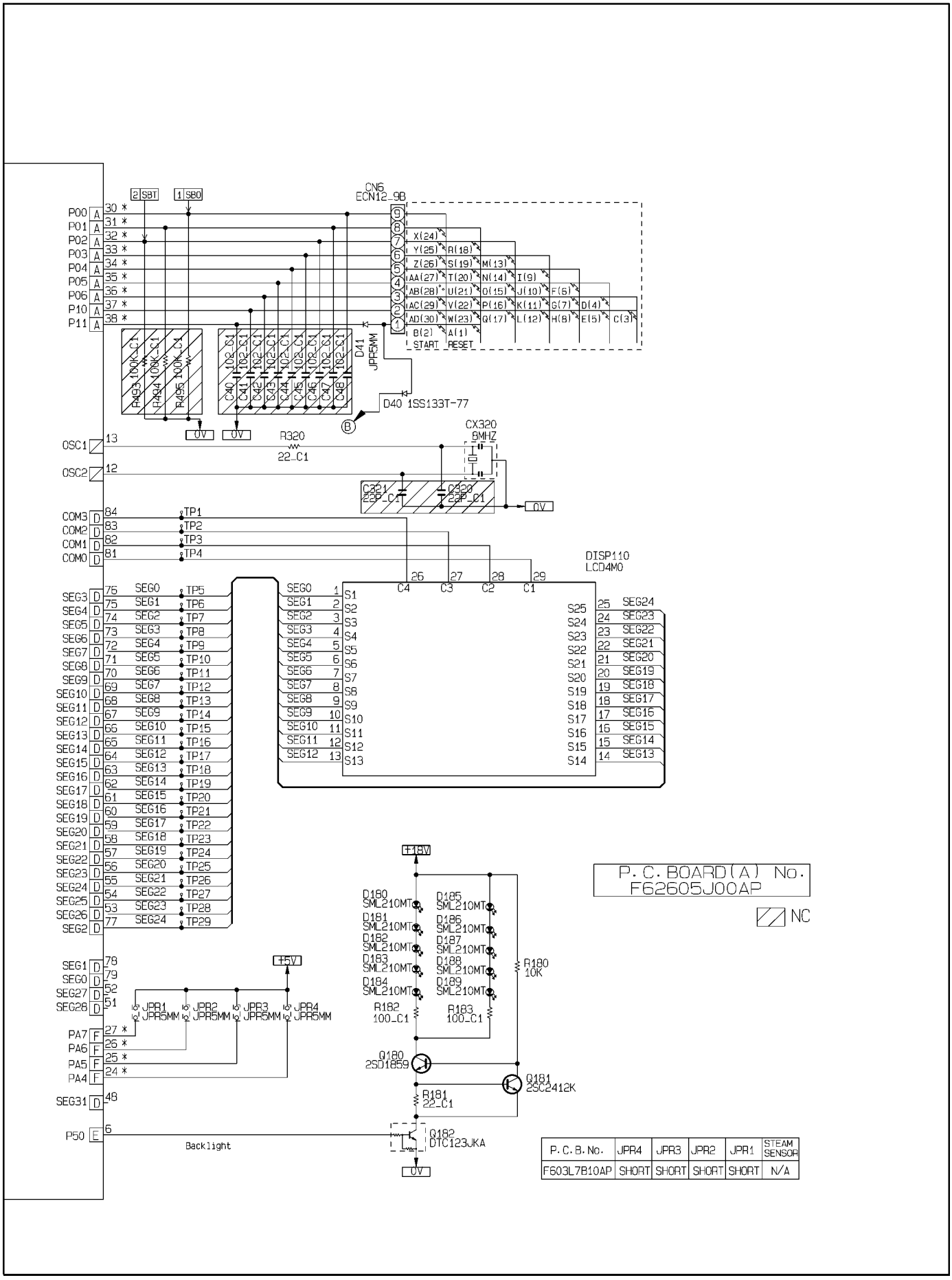




P.C.B. AU No.	JPR1	JPR2	SENSOR	RY2	D26 D27
F603L7E40AP	OPEN	SHORT	No	Yes	No
F603L7B30RP	SHORT	OPEN	No	Yes	Yes

6.8. NN-S955 APH, S954*FR APH





P. C. B. No.	JPR4	JPR3	JPR2	JPR1	STEAM SENSOR
F603L7B10AP	SHORT	SHORT	SHORT	SHORT	N/A

6.9. PARTS LIST

6.9.1. NN-P994*FR APH/CPH, T955SF APH, T994SFR APH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
BZ210		AEFBAT2001WQ	BUZZER	1	2.0KHz
C343		AECUU06C101J	CHIP CAPACITOR	1	100PF/50V
C330,C331		AECUU06R102K	CHIP CAPACITOR	2	1000PF/50V
C221,C222,C484,C486		AECUU06F103Z	CHIP CAPACITOR	4	0.01µF/50V
C481		AECUN06F473Z	CHIP CAPACITOR	1	0.047µF/50V
C12,C340,C440		AECUT06F104Z	CHIP CAPACITOR	3	0.1µF/25V
C223,C224		AECUN06F105Z	CHIP CAPACITOR	2	1µF/10V (P994*FR APH/CPH)
C10		AECETK1V471B	AL CHEM CAPACITOR	1	470µF/35V
C13		AECETS1C220B	AL CHEM CAPACITOR	1	22µF/16V
C482		AECETS1H010B	AL CHEM CAPACITOR	1	1µF/50V
C483		AECETS1HR47B	AL CHEM CAPACITOR	1	0.47µF/50V
C485		AECETS1H2R2B	AL CHEM CAPACITOR	1	2.2µF/50V
CN1		K1KA03AA0108	CONNECTOR	1	5Pin
CN2		AEEMMF00703W	CONNECTOR	1	3Pin
CN3		F03526P40AG	INV. HARNESS (U)	1	
CN4		K1KA04AA0086	CONNECTOR	1	
CN5		AEEM9604S15F	CONNECTOR	1	15Pin
CN6		AEEM9604S15C	CONNECTOR	1	
PIN1,PIN2		AEPINIPS-1E7	PIN	2	
CX320		EFOEC8004A4	CERAMIC RESONATOR	1	8MHz
IC1		MN101C54CFP	L.S.I.	1	
IC480		C0ABBZ000017	IC	1	
DISP110		AEDDHJ5W00AP	LCD	1	
DISPL1		F66175W00AP	LCD HOLDER	1	
		F67525E40XN	DIFFUSION SHEET	1	
Q181,Q220,Q225		B1ABCF000010	CHIP TRANSISTOR	3	
Q221		B1ADCF000003	CHIP TRANSISTOR	1	(P994*FR APH/CPH)
Q226		B1GDCFJJ0002	CHIP DIGI-TRANSISTOR	1	
Q182,Q223,Q224		B1GBCFEL0002	CHIP DIGI-TRANSISTOR	3	
Q10,Q180		B1BAAJ000003	TRANSISTOR	2	
D180-D189		AESQPY1112CK	CHIP-LED	10	
D40,D220,D221,D223,D225		B0AACK000004	DIODE	5	
D226,D227		B0AACK000004	DIODE	2	(P994*FR APH/CPH)
D10,D11,D12,D13		AESSRCT1A6-E	DIODE	4	
D25		AERZ271KD10A	VARISTOR	1	270V
D26,D27		AERZ102KD10A	VARISTOR	2	1100V (CPH)
R10,R11,R311		AERDY2TJ102T	CARBON FILM RESISTOR	3	1KΩ,1/4W,5%
R12,R180		AERDY2TJ103T	CARBON FILM RESISTOR	2	10KΩ,1/4W,5%
R290		AERDY2TJ104T	CARBON FILM RESISTOR	1	100KΩ,1/4W,5%
ZD10		B0BA5R600016	ZENER DIODE	1	
RY1		AEBGJQC25F18	POWER RELAY	1	
RY2		K6B1AZA00011	POWER RELAY	1	
T10		AETP284T0AP	LOW VOLTAGE TRANSFORMER	1	120V
VZ340		AEVNNV6TL103	VARISTOR	1	10KΩ
SW1-SW4,SW6-SW8,SW11-SW30		EVQ11L05R	SWITCH	27	

6.9.2. NN-T995SF APH/CPH, T955SF/SM RPH, T985SF APH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
BZ310		AEFBAT2001WQ	BUZZER	1	2.0KHz
C352		AECUU06C101J	CHIP CAPACITOR	1	100PF/50V
C40-C48,C330,C331		AECUU06R102K	CHIP CAPACITOR	11	1000PF/50V
C80,C81,C222,C228,C484,C486		AECUU06F103Z	CHIP CAPACITOR	6	0.01µF/50V
C481		AECUU06F473Z	CHIP CAPACITOR	1	0.047µF/50V
C15,C223,C350,C441		AECUT06F104Z	CHIP CAPACITOR	4	0.1µF/25V
C220,C221		AECUN06F105Z	CHIP CAPACITOR	2	1µF/10V
C10		AECETK1V471B	AL CHEM CAPACITOR	1	470µF/35V
C16		AECETS1C220B	AL CHEM CAPACITOR	1	22µF/16V
C482		AECETS1H010B	AL CHEM CAPACITOR	1	1µF/50V
C483		AECETS1HR47B	AL CHEM CAPACITOR	1	0.47µF/50V
C485		AECETS1H2R2B	AL CHEM CAPACITOR	1	2.2µF/50V
CN1		K1KA03AA0108	CONNECTOR	1	
CN2		K1KA03A00300	CONNECTOR	1	3 Pin
CN3		F03526P40AG	INV. HARNESS (U)	1	
CN4		K1KA04AA0086	CONNECTOR	1	
CN6		AEEM9604S17C	CONNECTOR	1	17Pin
CN7		AEEM9604S17F	CONNECTOR	1	17Pin
CN8		K1MN09BA0072	CONNECTOR	1	
CN9		F03547B40AP	CONNECTOR	1	3 Pin
CX320		EFOEC8004A4	CERAMIC RESONATOR	1	8MHz
IC1		MN101C54CFY	L.S.I.	1	
IC480		C0ABBZ000017	IC	1	
DISP110		AEDDHJ4M00AP	LCD	1	
DISPL1		F66175E40XN	LCD HOLDER	1	
		F67525E40XN	DIFFUSION SHEET	1	
Q181,Q220,Q225		B1ABCF000010	CHIP TRANSISTOR	2	
Q221		B1ADCF000003	CHIP TRANSISTOR	1	
Q222		B1GDCFJJ0002	CHIP DIGI-TRANSISTOR	1	
Q182,Q210,Q223		B1GBCFEL0002	CHIP DIGI-TRANSISTOR	3	
Q10,Q180		B1BAAJ000003	TRANSISTOR	2	
D180-D189		AESQPY1112CK	CHIP-LED	10	
D40,D220,D221,D222,D223,D227		B0AACK000004	DIODE	6	
D10,D11,D12,D13		AESSRCT1A6-E	DIODE	4	
D25		AERZ271KD10A	VARISTOR	1	270V
D26,D27		AERZ102KD10A	VARISTOR	2	1000V (CPH,RPH)
R11,R16,R311		AERDY2TJ102T	CARBON FILM RESISTOR	3	1KΩ,1/4W,5%
R12,R180		AERDY2TJ103T	CARBON FILM RESISTOR	2	10KΩ,1/4W,5%
R290		AERDY2TJ104T	CARBON FILM RESISTOR	1	100KΩ,1/4W,5%
ZD10		B0BA5R600016	ZENER DIODE	1	
RY1		AEBGJQC25F18	POWER RELAY	1	
RY2		K6B1AZA00011	POWER RELAY	1	
T10		AETP284T0AP	LOW VOLTAGE TRANSFORMER	1	
RE80		EVEJ1HF2224B	REVOLVING ENCODER	1	
VZ1		AEVNNV6TL103	VARISTOR	1	10KΩ

6.9.3. NN-T975SF/T965SF/T945SF/T935SF APH, T964SFR APH, S955 APH, S954*FR APH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
BZ310		AEFBAT2001WQ	BUZZER	1	2.0KHz
C343		AECUU06C101J	CHIP CAPACITOR	1	100PF/50V
C330		AECUU06R102K	CHIP CAPACITOR	1	1000PF/50V
C221		AECUU06F103Z	CHIP CAPACITOR	1	0.01µF/50V
C484		AECUU06F103Z	CHIP CAPACITOR	1	0.01µF/50V (T9*5 APH,T964SFR APH)
C481		AECUN06F473Z	CHIP CAPACITOR	1	0.047µF/50V (T9*5 APH,T964SFR APH)
C12,C340,C441		AECUT06F104Z	CHIP CAPACITOR	3	0.1µF/25V
C222		AECUT06F104Z	CHIP CAPACITOR	1	0.1µF/25V (T9*5 APH,T964SFR APH)
C10		AECETK1V471B	AL CHEM CAPACITOR	1	470µF/35V
C13		AECETS1C220B	AL CHEM CAPACITOR	1	22µF/16V
C482		AECETS1H010B	AL CHEM CAPACITOR	1	1µF/50V (T9*5 APH,T964SFR APH)
C483		AECETS1HR47B	AL CHEM CAPACITOR	1	0.47µF/50V (T9*5 APH,T964SFR APH)
C485		AECETS1H2R2B	AL CHEM CAPACITOR	1	2.2µF/50V (T9*5 APH,T964SFR APH)
CN1		K1KA03AA0108	CONNECTOR	1	
CN2		AEEMMF00703W	CONNECTOR	1	3 Pin (T9*5 APH,T964SFR APH)
CN3		F03526P40AG	INV. HARNESS (U)	1	
CN4		K1KA04AA0086	CONNECTOR	1	
CN6		K1MN09AA0040	CONNECTOR	1	
CX320		EFOEC8004A4	CERAMIC RESONATOR	1	8MHz
IC1		MN101C54CFP	L.S.I.	1	
IC480		C0ABBZ000017	IC	1	(T9*5 APH,T964SFR APH)
DISP110		AEDDHJ4M00AP	LCD	1	
DISPL1		F66175E40XN	LCD HOLDER	1	
		F67525E40XN	DIFFUSION SHEET	1	
Q181,Q220,Q225		B1ABCF000010	CHIP TRANSISTOR	3	
Q226		B1GDCFJJ0002	CHIP DIGI-TRANSISTOR	1	
Q182,Q210,Q223		B1GBCFEL0002	CHIP DIGI-TRANSISTOR	3	
Q10,Q180		B1BAAJ000003	TRANSISTOR	2	
D180-D189		AESQPY1112CK	CHIP-LED	10	
D40,D220,D221,D223		B0AACK000004	DIODE	4	
D10,D11,D12,D13		AESSRCT1A6-E	DIODE	4	
D25		AERZ271KD10A	VARISTOR	1	270V
R10,R11,R311		AERDY2TJ102T	CARBON FILM RESISTOR	3	1KΩ,1/4W,5%
R12,R180		AERDY2TJ103T	CARBON FILM RESISTOR	2	10KΩ,1/4W,5%
R290		AERDY2TJ104T	CARBON FILM RESISTOR	1	100KΩ,1/4W,5%
ZD10		B0BA5R600016	ZENER DIODE	1	
RY1		AEBGJQC25F18	POWER RELAY	1	
RY2		K6B1AZA00011	POWER RELAY	1	
T10		AETP284T0AP	LOW VOLTAGE TRANSFORMER	1	120V
VZ340		AEVNNV6TL103	VARISTOR	1	10KΩ

6.9.4. NN-H965 APH/CPH, H935 APH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
BZ310		AEFBAT2001WQ	BUZZER	1	2.0KHz
C352		AECUU06C101J	CHIP CAPACITOR	1	100PF/50V
C330,C331		AECUU06R102K	CHIP CAPACITOR	2	1000PF/50V
C222,C484,C486		AECUU06F103Z	CHIP CAPACITOR	3	0.01µF/50V
C481		AECUN06F473Z	CHIP CAPACITOR	1	0.047µF/50
C15,C223,C350,C440		AECUT06F104Z	CHIP CAPACITOR	4	0.1µF/25V
C220,C221		AECUN06F105Z	CHIP CAPACITOR	2	1µF/10V
C10		AECETK1V471B	AL CHEM CAPACITOR	1	470µF/35V
C13		AECETS1C220B	AL CHEM CAPACITOR	1	22µF/16V
C482		AECETS1H010B	AL CHEM CAPACITOR	1	1µF/50V
C483		AECETS1HR47B	AL CHEM CAPACITOR	1	0.47µF/50V
C485		AECETS1H2R2B	AL CHEM CAPACITOR	1	2.2µF/50V
CN1		K1KA03AA0108	CONNECTOR	1	5Pin
CN2		AEEMMF00703W	CONNECTOR	1	3Pin
CN3		F03526P40AG	INV. HARNESS (U)	1	
CN4		K1KA04AA0086	CONNECTOR	1	
CN6		AEEM9604S15C	CONNECTOR	1	
CN7		AEEM9604S15F	CONNECTOR	1	15Pin
CN8		K1MN09BA0072	CONNECTOR	1	
CN9,CN10		F03547B40AP	CONNECTOR	2	3Pin
CN13,CN14		AEPINIPS-1E7	PIN	2	
CX320		EFOEC8004A4	CERAMIC RESONATOR	1	8MHz
IC1		MN101C54CFP	L.S.I.	1	
IC480		C0ABBZ000017	IC	1	
DISP110		AEDDHJ5W00AP	LCD	1	
DISPL1		F66175E40XN	LCD HOLDER	1	
Q181,Q220,Q225		B1ABCF000010	CHIP TRANSISTOR	3	
Q221		B1ADCF000003	CHIP TRANSISTOR	1	
Q222		B1GDCFJJ0002	CHIP DIGI-TRANSISTOR	1	
Q182,Q223,Q224		B1GBCFEL0002	CHIP DIGI-TRANSISTOR	3	
Q10,Q180		B1BAAJ000003	TRANSISTOR	2	
D180-D189		AESQPY1112CK	CHIP-LED	10	
D40,D220,D221,D223,D225,D227		B0AACK000004	DIODE	6	
D10,D11,D12,D13		AESSRCT1A6-E	DIODE	4	
D25		AERZ271KD10A	VARISTOR	1	270V
D26,D27		AERZ102KD10A	VARISTOR	2	1100V (CPH)
R10,R11,R311		AERDY2TJ102T	CARBON FILM RESISTOR	3	1KΩ,1/4W,5%
R180		AERDY2TJ103T	CARBON FILM RESISTOR	1	10KΩ,1/4W,5%
R290		AERDY2TJ104T	CARBON FILM RESISTOR	1	100K,1/4W,5%
ZD10		B0BA5R600016	ZENER DIODE	1	
RY1		AEBGJQC25F18	POWER RELAY	1	
RY2		K6B1AZA00011	POWER RELAY	1	
T10		AETP284T0AP	LOW VOLTAGE TRANSFORMER	1	120V
VZ340		AEVNNV6TL103	VARISTOR	1	10KΩ
SW1,SW2,SW10,SW12,SW13		EVQ11L05R	SWITCH	5	

6.9.5. NN-S935 APH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
BZ310		AEFBAT2001WQ	BUZZER	1	2.0KHz
C352		AECUU06C101J	CHIP CAPACITOR	1	100PF/50V
C330		AECUU06R102K	CHIP CAPACITOR	1	1000PF/50V
C222		AECUU06F103Z	CHIP CAPACITOR	1	0.01µF/50V
C15,C223,C350,C440		AECUT06F104Z	CHIP CAPACITOR	4	0.1µF/25V
C220,C221		AECUN06F105Z	CHIP CAPACITOR	2	1µF/10V
C12		AECETK1V471B	AL CHEM CAPACITOR	1	470µF/35V
C13,C16		AECETS1C220B	AL CHEM CAPACITOR	2	22µF/16V
CN1		K1KA03AA0105	CONNECTOR	1	
CN3		F03524U50AP	INV. HARNESS (U)	1	
CN4		K1KA04AA0086	CONNECTOR	1	
CN6		AEEM9604S15C	CONNECTOR	1	
CN7		AEEM9604S15F	CONNECTOR	1	15Pin
CN8		K1MN09BA0072	CONNECTOR	1	
CN9,CN10		F63547B00AP	CONNECTOR	2	3Pin
CN13,CN14		AEPINIPS-1E7	PIN	2	
CX320		EFOEC8004A4	CERAMIC RESONATOR	1	8MHz
IC1		MN101C78ADE	L.S.I.	1	
IC350		C0EBE0000401	IC	1	
DISP110		AEDDHJ7B40AP	LCD	1	
		F66177D60AP	LCD HOLDER	1	
Q221		B1ADCF000003	CHIP TRANSISTOR	1	
Q11,Q181,Q220,Q225		B1ABCF000010	CHIP TRANSISTOR	4	
Q182,Q223,Q224,Q331		B1GBCFEL0002	CHIP DIGI-TRANSISTOR	4	
Q222,Q330		B1GDCFJJ0002	CHIP DIGI-TRANSISTOR	2	
Q10,Q180		B1BAAJ000003	TRANSISTOR	2	
D180-D183		AESQPY1112CK	CHIP-LED	4	
D40,D220,D221,D223,S225,D227		B0AACK000004	DIODE	6	
D10,D11,D12,D13		AESSRCT1A6-E	DIODE	4	
D25		AERZ271KD10A	VARISTOR	1	270V
R10,R11,R44,R311		AERDY2TJ102T	CARBON FILM RESISTOR	4	1KΩ,1/4W,5%
R12		AERDY2TJ103T	CARBON FILM RESISTOR	1	10KΩ,1/4W,5%
R290		AERDY2TJ104T	CARBON FILM RESISTOR	1	100K,1/4W,5%
ZD10		B0BA5R600016	ZENER DIODE	1	
ZD11		B0BA4R400002	ZENER DIODE	1	
RY1		AEBGJQC25F18	POWER RELAY	1	
RY2		K6B1AZA00011	POWER RELAY	1	
T10		AETP284T0AP	LOW VOLTAGE TRANSFORMER	1	120V
VZ1		AEVNNV6TL103	VARISTOR	1	10KΩ
SW1,SW2,SW10,SW12,SW13		EVQ11L05R	SWITCH	5	

6.9.6. NN-S955 RPH, S934*FR APH

Ref. No.		Part No.	Part Name & Description	Pcs/Set	Remarks
BZ310		AEFBAT2001WQ	BUZZER	1	2.0KHz
C352		AECUU06C101J	CHIP CAPACITOR	1	100PF/50V
C330		AECUU06R102K	CHIP CAPACITOR	1	1000PF/50V
C222		AECUU06F103Z	CHIP CAPACITOR	1	0.01µF/50V
C11,C223,C350,C440		AECUT06F104Z	CHIP CAPACITOR	4	0.1µF/25V
C220,C221		AECUN06F105Z	CHIP CAPACITOR	2	1µF/10V
C12		AECETK1V471B	AL CHEM CAPACITOR	1	470µF/35V
C13,C16		AECETS1C220B	AL CHEM CAPACITOR	2	22µF/16V
CN1		K1KA03AA0108	CONNECTOR	1	
CN3		F03524U50AP	INV. HARNESS (U)	1	
CN4		K1KA04AA0086	CONNECTOR	1	
CN8		K1MN09AA0040	CONNECTOR	1	
CX320		EFOEC8004A4	CERAMIC RESONATOR	1	8MHz
IC1		MN101C78ADE	L.S.I.	1	
IC350		C0EBE0000401	IC	1	
DISP110		AEDDHJ7D40AP	LCD	1	
DISPL1		F66174U20AP	LCD HOLDER	1	
Q220		B1ADCF000003	CHIP TRANSISTOR	1	
Q11,Q181,Q224,Q231		B1ABCF000010	CHIP TRANSISTOR	4	
Q222,Q330		B1GDCFJJ0002	CHIP DIGI-TRANSISTOR	2	
Q182,Q210,Q331		B1GBCFEL0002	CHIP DIGI-TRANSISTOR	3	
Q10,Q180		B1BAAJ000003	TRANSISTOR	2	
D180-D183		AESQPY1112CK	CHIP-LED	4	
D10-D13		AESSRCT1A6-E	DIODE	4	
D220-D224,D227		B0AACK000004	DIODE	6	
D25		AERZ271KD10A	VARISTOR	1	270V
D26,D27		AERZ102KD10A	VARISTOR	2	1100V (RPH)
R211		AERDY2TJ102T	CARBON FILM RESISTOR	1	1KΩ,1/4W,5%
R228,R352		AERDY2TJ104T	CARBON FILM RESISTOR	2	100K,1/4W,5%
R225		AERDY2TJ470T	CARBON FILM RESISTOR	1	47Ω,1/4W,5%
ZD10		B0BA5R600016	ZENER DIODE	1	
ZD11		B0BA4R400002	ZENER DIODE	1	
RY1		AEBGJQC25F18	POWER RELAY	1	
RY2		K6B1AZA00011	POWER RELAY	1	
T10		AETP284T0AP	LOW VOLTAGE TRANSFORMER	1	
VZ490		AEVNNV6TL103	VARISTOR	1	10KΩ

01/05
S-7A0, S-7A1
S-7A2, S-7A3
S-7A4, S-7A5
S-7A6, S-7A7
S-7A8, S-7A9
S-7B0, S-7B1
S-7B2, S-7B3
S-7B4, S-7E3
S-7E4, S-7G0
S-7G1
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